



STREAM FLOW DATA for COLORADO

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Water Year 2007



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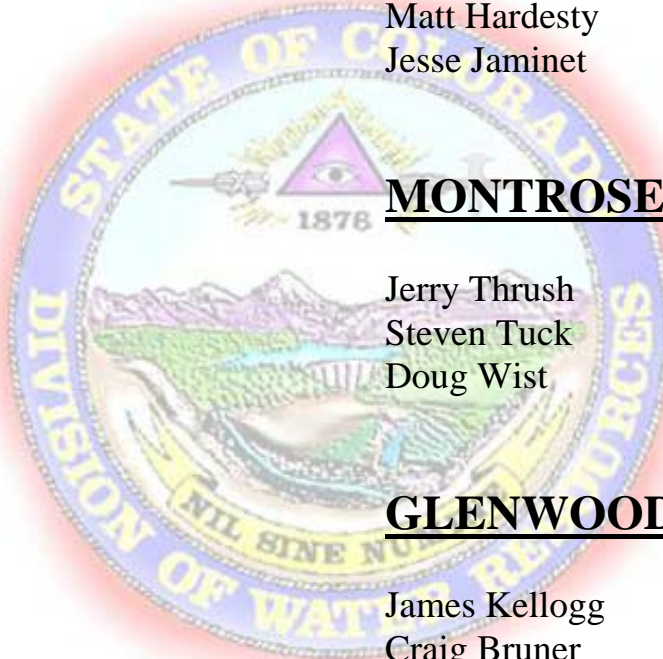


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PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

LOCATION.--Lat 38°59'37", long 105°53'40", Park County, Hydrologic Unit 10190001, on left bank about 400 ft below Antero Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--185 sq. mi.; 1976 to current year.

GAGE.--Concrete shelter and well with satellite monitoring (DCP and shaft encoder) and a continuous chart recorder at a sharp-crested Cipolletti weir with broad-crested concrete overflow walls. Primary reference gage is an electric tape. Gage is owned and maintained by the Denver Water Dept.

REMARKS.--Primary record at the gage is hourly data taken from satellite readings, with chart record backup. Chart data agree with the satellite data within ± 0.02 ft., and were used on several days to fill in for missing satellite data, without loss of accuracy. The record is complete and reliable. Record is rated good. Station operated by Denver Water and record developed by Mike Wild.

RATING TABLE.--MOD10FTCIP USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

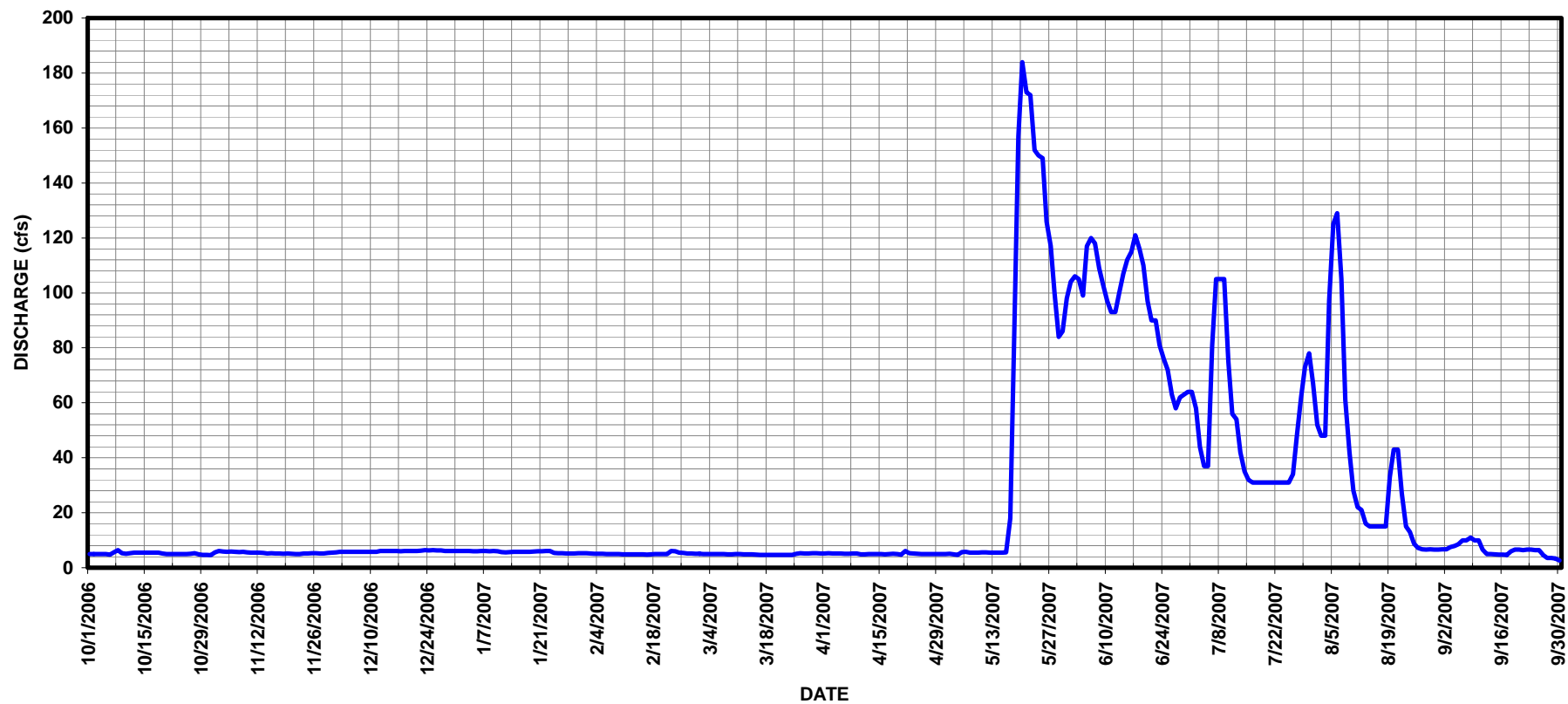
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	5.6	5.6	6.1	5.3	5.1	5.2	5.0	104	64	52	6.7
2	5.0	6.1	5.8	6.1	5.2	5.0	5.3	5.1	106	58	48	6.7
3	5.0	5.9	5.8	6.1	5.1	5.0	5.2	4.9	105	44	48	7.5
4	5.0	5.8	5.8	6.0	5.1	5.0	5.2	4.7	99	37	97	7.9
5	5.0	5.9	5.8	6.0	5.1	5.0	5.2	5.7	117	37	125	8.5
6	4.8	5.8	5.8	6.1	5.0	5.0	5.1	5.8	120	81	129	10
7	5.6	5.7	5.8	6.1	5.0	5.0	5.1	5.5	118	105	105	10
8	6.4	5.8	5.8	6.0	5.0	4.9	5.2	5.5	109	105	61	11
9	5.3	5.6	5.8	6.1	5.0	4.9	5.2	5.5	103	105	42	10
10	5.1	5.5	5.8	6.0	4.9	5.0	4.9	5.6	97	75	28	10
11	5.3	5.5	5.8	5.7	4.9	5.0	4.9	5.6	93	56	22	6.6
12	5.5	5.5	6.1	5.6	4.9	4.9	5.0	5.5	93	54	21	5.0
13	5.5	5.4	6.1	5.7	4.9	4.9	5.0	5.5	100	42	16	5.0
14	5.5	5.2	6.1	5.8	4.9	4.9	5.0	5.5	107	35	15	4.9
15	5.5	5.3	6.1	5.8	4.9	4.8	5.0	5.5	112	32	15	4.8
16	5.5	5.2	6.1	5.8	4.8	4.7	4.9	5.6	115	31	15	4.8
17	5.5	5.2	6.0	5.8	4.9	4.7	5.0	18	121	31	15	4.7
18	5.5	5.1	6.1	5.8	5.0	4.7	5.1	84	116	31	15	6.0
19	5.2	5.2	6.1	5.9	5.0	4.7	5.0	157	110	31	33	6.6
20	5.0	5.1	6.1	6.0	5.0	4.7	4.8	184	97	31	43	6.6
21	5.0	5.0	6.1	6.0	5.0	4.7	6.1	173	90	31	43	6.4
22	5.0	5.0	6.2	6.1	6.1	4.7	5.3	172	90	31	27	6.6
23	5.0	5.2	6.4	6.1	6.0	4.7	5.2	152	81	31	15	6.6
24	5.0	5.2	6.3	5.4	5.5	4.7	5.1	150	76	31	13	6.4
25	5.0	5.3	6.4	5.3	5.4	5.1	5.0	149	72	31	8.7	6.4
26	5.1	5.3	6.3	5.3	5.2	5.3	5.0	126	63	34	7.2	4.6
27	5.3	5.2	6.3	5.2	5.2	5.2	5.0	117	58	48	6.7	3.6
28	4.9	5.2	6.1	5.2	5.1	5.2	5.0	100	62	62	6.6	3.6
29	4.7	5.4	6.1	5.2	---	5.3	5.0	84	63	73	6.7	3.4
30	4.7	5.5	6.1	5.3	---	5.3	5.0	86	64	78	6.6	2.6
31	4.6	---	6.1	5.3	---	5.2	---	98	---	67	6.6	---
TOTAL	160.5	162.7	186.8	178.9	143.4	153.3	153.0	1936.5	2861	1602	1092.1	193.5
MEAN	5.18	5.42	6.03	5.77	5.12	4.95	5.10	62.5	95.4	51.7	35.2	6.45
AC-FT	318	323	371	355	284	304	303	3840	5670	3180	2170	384
MAX	6.4	6.1	6.4	6.1	6.1	5.3	6.1	184	121	105	129	11
MIN	4.6	5.0	5.6	5.2	4.8	4.7	4.8	4.7	58	31	6.6	2.6

CAL YR 2006 TOTAL 1671.7 MEAN 4.58 MAX 6.4 MIN 3.5 AC-FT 3316
WTR YR 2007 TOTAL 8823.7 MEAN 24.2 MAX 184 MIN 2.6 AC-FT 17500

MAX DISCH: 212 CFS AT 11:15 ON May. 28, 2007 GH 3.24 FT. GH CORR. 0.04 FT. SHIFT 0 FT.
MAX GH: 3.28 FT. (GH CORR. 0.04 FT. APPLIED) AT 11:15 ON May. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO

LOCATION.--Lat 38°59'10", long 105°40'52" in NE1/4 Sec 21, T. 12S, R. 74W, Park County, 3.3 miles below the confluence of the Middle and South Forks of the South Platte River, and 7 miles southeast of Hartsel, CO.

DRAINAGE AREA AND PERIOD OF RECORD.--772 sq. mi.; 1983 to current year.

GAGE.--Graphic water-stage recorder and satellite monitoring (Sutron Satlink 2 DCP and shaft encoder) at a 25-foot concrete Parshall Flume with a wooden shelter and concrete well with inside electric tape gage and in-flume staff gage. Gage is operated and equipment is maintained by the city of Aurora.

REMARKS.--Record is taken from hourly satellite readings and is complete and reliable, except for November 14, 2006 to March 27, 2007, when the DCP was shut down for the winter. Gage height was affected by ice during the period November 2-13, 2006. Satellite daily gage heights agree with chart data to within ±0.01 ft. Encoder calibration was checked with 29 visits while the gage was open. The record is good, except for November 2-15, 2006, which is fair due to ice effect, and November 14, 2006 to March 27, 2007, which is estimated and poor. Station operated and record developed by Mike Wild.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

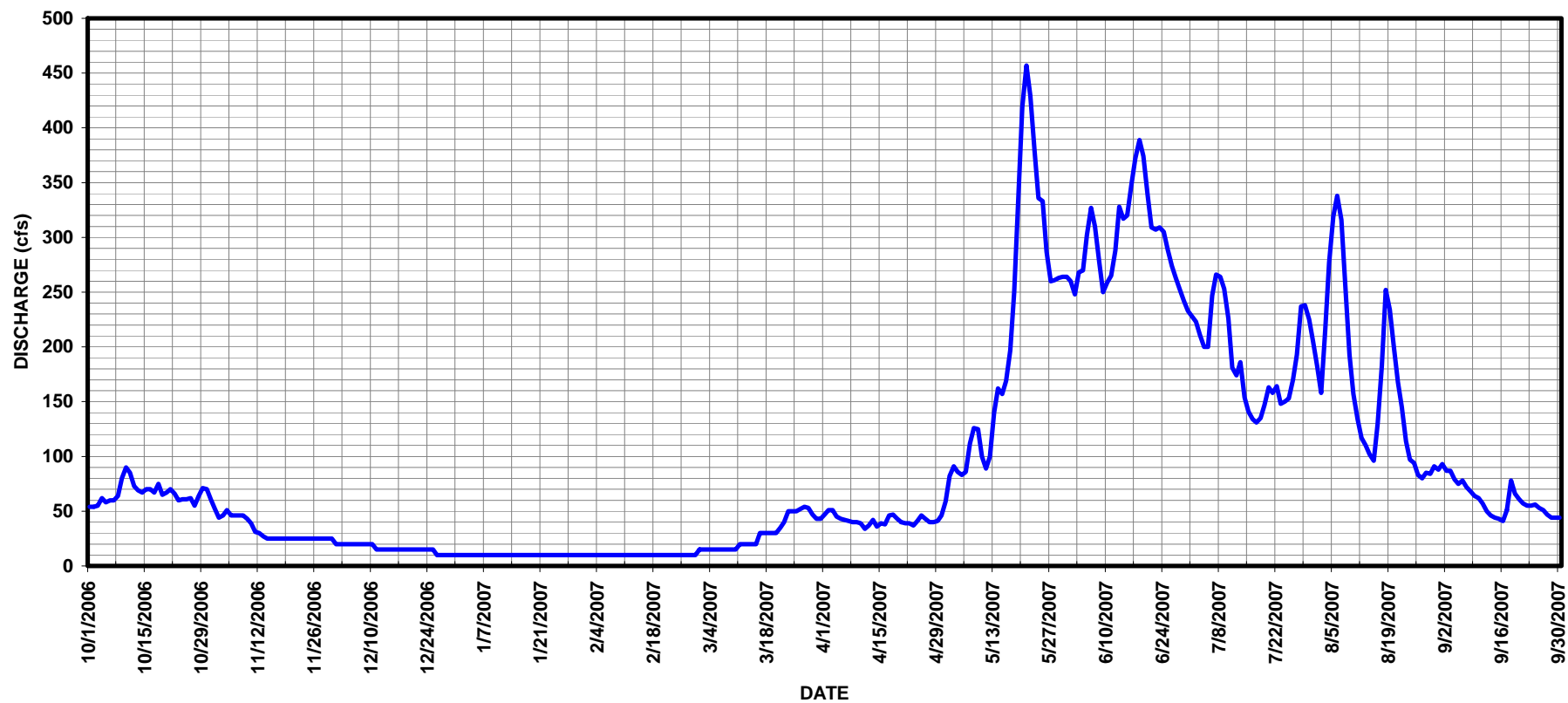
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	52	20	10	10	15	47	59	260	228	182	93
2	54	44	20	10	10	15	51	82	248	223	158	87
3	55	46	20	10	10	15	51	91	268	211	215	87
4	62	51	20	10	10	15	45	86	270	200	277	79
5	58	46	20	10	10	15	43	83	302	200	319	75
6	60	46	20	10	10	15	42	86	327	247	338	78
7	60	46	20	10	10	15	41	112	310	266	316	72
8	64	46	20	10	10	15	40	126	278	264	256	68
9	80	43	20	10	10	15	40	125	250	253	193	64
10	90	39	20	10	10	15	39	100	259	226	157	62
11	85	31	15	10	10	20	34	89	265	181	134	57
12	73	30	15	10	10	20	37	100	288	174	117	50
13	69	27	15	10	10	20	42	140	328	186	110	46
14	67	25	15	10	10	20	36	162	317	154	102	44
15	70	25	15	10	10	20	39	157	320	141	96	43
16	70	25	15	10	10	30	38	169	348	134	130	41
17	67	25	15	10	10	30	46	197	372	131	183	51
18	75	25	15	10	10	30	47	250	389	135	252	78
19	65	25	15	10	10	30	43	337	374	147	234	66
20	67	25	15	10	10	30	40	419	339	163	201	61
21	70	25	15	10	10	35	39	457	309	158	168	57
22	66	25	15	10	10	40	39	429	307	164	145	55
23	60	25	15	10	10	50	37	379	309	148	114	55
24	61	25	15	10	10	50	41	336	305	150	97	56
25	61	25	15	10	10	50	46	333	289	153	94	53
26	62	25	10	10	10	52	43	287	274	170	83	51
27	55	25	10	10	10	54	40	260	263	193	80	47
28	64	25	10	10	10	53	40	261	252	237	85	44
29	71	25	10	10	---	47	41	263	242	238	84	44
30	70	25	10	10	---	43	46	264	233	225	91	44
31	61	---	10	10	---	43	---	264	---	205	88	---
TOTAL	2046	972	485	310	280	917	1253	6503	8895	5905	5099	1808
MEAN	66.0	32.4	15.6	10.0	10.0	29.6	41.8	210	297	190	164	60.3
AC-FT	4060	1930	962	615	555	1820	2490	12900	17640	11710	10110	3590
MAX	90	52	20	10	10	54	51	457	389	266	338	93
MIN	54	25	10	10	10	15	34	59	233	131	80	41
CAL YR 2006	TOTAL	24637	MEAN	67.5	MAX	339	MIN	5	AC-FT	48870		
WTR YR 2007	TOTAL	34473	MEAN	94.4	MAX	457	MIN	10	AC-FT	68380		

MAX DISCH: 472 CFS AT 12:15 ON May. 21, 2007 GH 2.7 FT. SHIFT 0.03 FT.
MAX GH: 2.7 FT. AT 12:15 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06695000 SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR NEAR HARTSEL, CO

LOCATION.--Lat 38°58'03", long 105°34'51", in NE¼ sec. 32, T.12 S., R.73 W., Park County, Hydrologic Unit 10190001, on left bank 200 ft downstream from highway bridge, 2.5 mi upstream from water line of Elevenmile Canyon Reservoir, at elevation 8,561 ft. and 13 mi southeast of Hartsel.

DRAINAGE AREA AND PERIOD OF RECORD.--880 mi²; 1933 to present.

GAGE.--Water-stage recorder with satellite telemetry (DCP and shaft encoder) in a wooden shelter at a 25 ft. Parshall Flume. Datum of gage is 8,612.83 ft. (Denver Board of Water Commissioners Datum). Station is owned and maintained by the Denver Water Dept. Satellite instrumentation is owned and maintained by the State Engineer of Colorado.

REMARKS.--Primary record is hourly data taken from satellite readings, with chart back-up. Record is complete and reliable, except for November 12, December 17, 18, 2006, February 22, April 7, 9, 28, May 5, 6, 7, June 28, 29, July 18, 2007, when the DCP transmission was compromised. Good chart data were used to fill in the missing satellite data without loss of accuracy. Spinney Reservoir is 2 miles upstream. Spinney release keeps this gage open year round. Ice jams downstream caused backwater into the flume during the periods: November 30, December 1-5, 2006, January 1, 2, 16-19, 25-31, February 1-5, 15, 17, 18, March 1, to 4, 2007. The maximum gage height (GH) recorded occurred during the backwater period. This GH was not used as the yearly Max GH, since it did not occur during good record. The record is rated good, with the exception of the ice affected periods, which are estimated from adjacent good record and considered fair. Station operated and record developed by Mike Wild.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

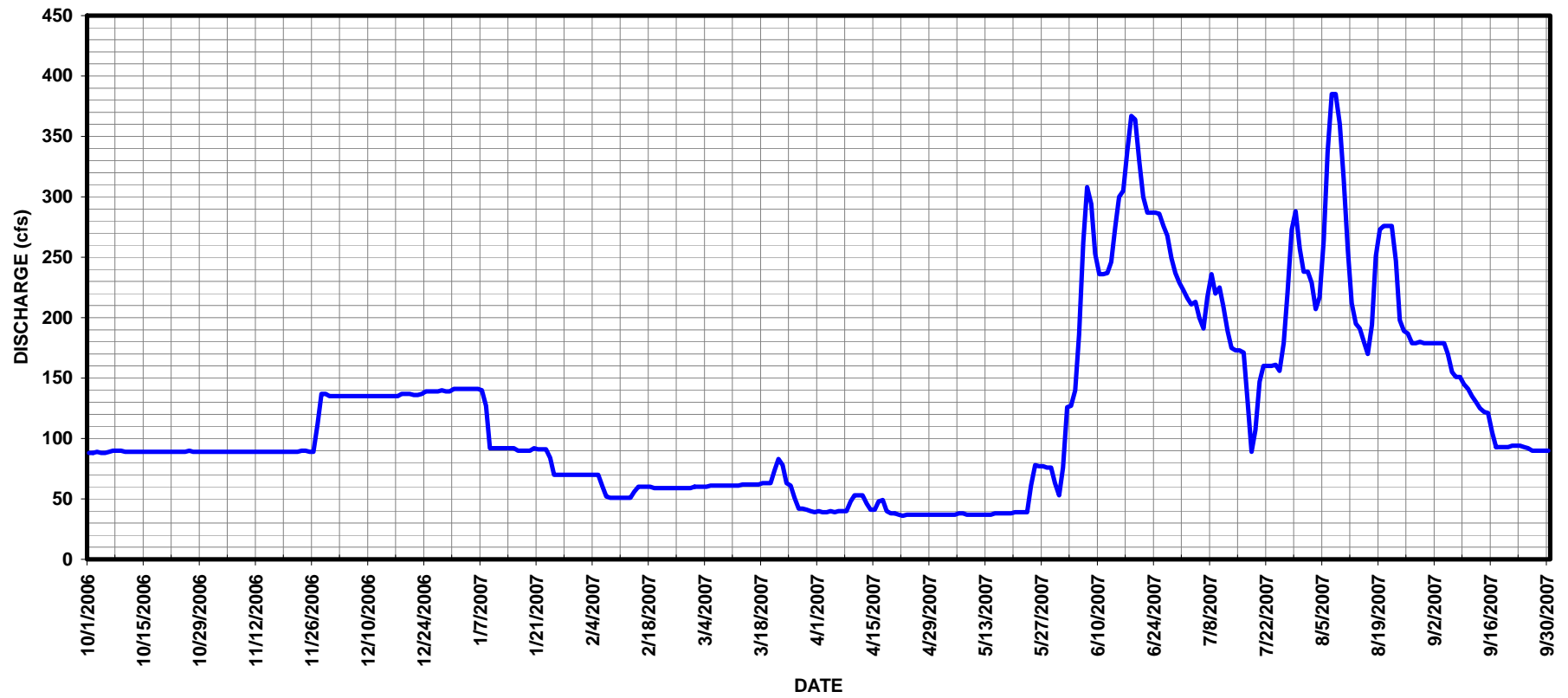
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	89	135	141	70	60	40	37	76	223	238	179
2	88	89	135	141	70	60	39	37	126	216	229	179
3	89	89	135	141	70	60	39	37	127	211	207	179
4	88	89	135	141	70	60	40	37	140	213	217	179
5	88	89	135	141	70	61	39	37	186	200	264	170
6	89	89	135	141	61	61	40	38	262	191	337	155
7	90	89	135	140	52	61	40	38	308	217	385	151
8	90	89	135	127	51	61	40	37	294	236	385	151
9	90	89	135	92	51	61	48	37	253	220	360	145
10	89	89	135	92	51	61	53	37	236	225	315	141
11	89	89	135	92	51	61	53	37	236	209	256	135
12	89	89	135	92	51	61	53	37	237	189	212	130
13	89	89	135	92	51	62	46	37	246	175	195	125
14	89	89	135	92	56	62	41	37	275	173	191	122
15	89	89	135	92	60	62	41	38	300	173	180	121
16	89	89	135	90	60	62	48	38	305	171	170	105
17	89	89	135	90	60	62	49	38	337	133	194	93
18	89	89	137	90	60	63	40	38	367	89	251	93
19	89	89	137	90	59	63	38	38	364	107	273	93
20	89	89	137	92	59	63	38	39	329	147	276	93
21	89	89	136	91	59	74	37	39	300	160	276	94
22	89	89	136	91	59	83	36	39	287	160	276	94
23	89	90	137	91	59	78	37	39	287	160	247	94
24	89	90	139	84	59	63	37	61	287	161	198	93
25	89	89	139	70	59	61	37	78	286	156	189	92
26	90	89	139	70	59	51	37	77	276	179	187	90
27	89	112	139	70	59	42	37	77	268	221	179	90
28	89	137	140	70	59	42	37	76	249	273	179	90
29	89	137	139	70	---	41	37	76	237	288	180	90
30	89	135	139	70	---	40	37	63	229	257	179	90
31	89	---	141	70	---	39	---	53	---	238	179	---
TOTAL	2759	2837	4230	3056	1655	1841	1234	1427	7710	5971	7404	3656
MEAN	89.0	94.6	136	98.6	59.1	59.4	41.1	46.0	257	193	239	122
AC-FT	5470	5630	8390	6060	3280	3650	2450	2830	15290	11840	14690	7250
MAX	90	137	141	141	70	83	53	78	367	288	385	179
MIN	88	89	135	70	51	39	36	37	76	89	170	90
CAL YR 2006	TOTAL	40904	MEAN	112	MAX	296	MIN	35	AC-FT	81130		
WTR YR 2007	TOTAL	43780	MEAN	120	MAX	385	MIN	36	AC-FT	86840		

MAX DISCH: 397 CFS AT 19:15 ON Jun. 18, 2007 GH 2.47 FT. SHIFT -0.02 FT.

MAX GH: 2.47 FT. AT 19:15 ON Jun. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06695000 SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR NEAR HARTSEL CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06696000 SOUTH PLATTE RIVER BELOW ELEVENMILE RESERVOIR NEAR LAKE GEORGE, CO

LOCATION.--Lat 38°54'19", long 105°28'22". in SW¼ sec. 20, T.13 S., R.72 W., Park County, Hydrologic Unit 10190001, on left bank 700 ft downstream from Elevenmile Canyon Reservoir and 8.2 mi southwest of town of Lake George.

DRAINAGE AREA AND PERIOD OF RECORD.--963 mi². October 1929 to current year. Monthly data only for some periods.

GAGE.--Water-stage recorder and satellite monitoring (Sutron Satlink 2 DCP and shaft encoder) in a concrete shelter at a 15-ft. Parshall Flume with outside staff gage. Primary reference is an inside tape gage with supplemental outside staff gage in the flume. Elevation of gage is 8,458 ft from topographic map. Station is owned and maintained by the Denver Water Dept. A 10-foot rectangular bypass channel is located beside the upper right wingwall of the 15-foot Parshall. The channel is normally kept closed by boards. At a gage height of 3.26 in the Parshall, water reaches the floor of the bypass channel.

REMARKS.--Record is taken from hourly satellite data and is complete and reliable for the water year, except the period Nov. 2-17, 2006, when the flume was out of operation for maintenance. The record is good, except during the period of flume maintenance. This period of record was estimated using Denver Water Board operational records and with values obtained by interpolation of chart gage heights before and after the flume was taken out of service. The record for this period is estimated and considered poor. Station operated and record developed by Mike Wild.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

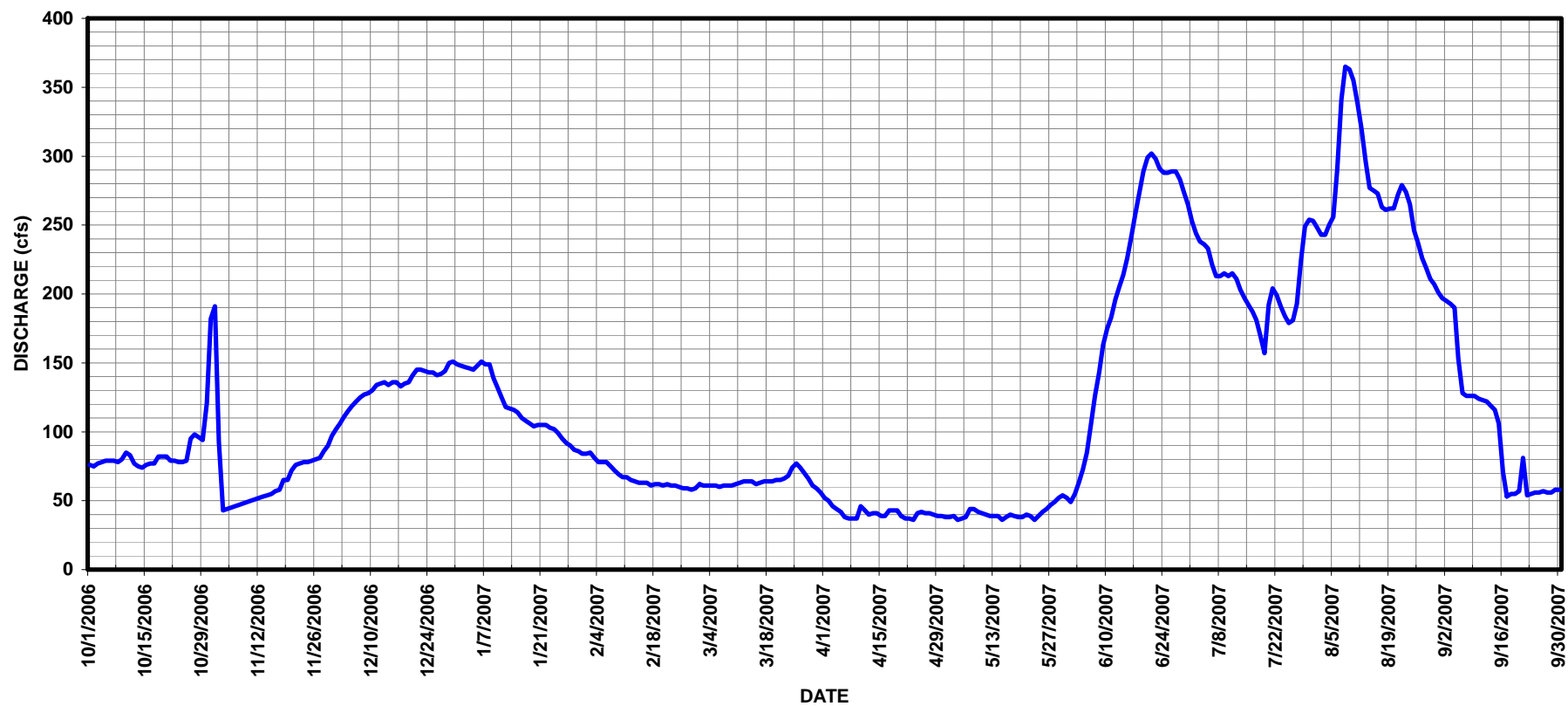
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	191	102	148	84	62	52	38	49	253	248	197
2	75	93	106	147	85	61	50	38	55	244	243	195
3	77	43	111	146	81	61	46	39	63	238	243	193
4	78	44	115	145	78	61	44	36	73	236	250	190
5	79	45	119	148	78	61	42	37	85	233	256	153
6	79	46	122	151	78	60	38	38	106	221	290	128
7	79	47	125	149	75	61	37	44	126	213	341	126
8	78	48	127	149	72	61	37	44	143	213	365	126
9	80	49	128	139	69	61	37	42	163	215	363	126
10	85	50	130	132	67	62	46	41	175	213	355	124
11	83	51	134	125	67	63	43	40	183	215	338	123
12	77	52	135	118	65	64	40	39	196	211	320	122
13	75	53	136	117	64	64	41	39	205	203	296	119
14	74	54	134	116	63	64	41	39	214	197	277	116
15	76	55	136	114	63	62	39	36	226	192	275	106
16	77	57	136	110	63	63	39	38	242	187	273	71
17	77	58	133	108	61	64	43	40	258	181	263	53
18	82	65	135	106	62	64	43	39	274	169	261	55
19	82	65	136	104	62	64	43	38	289	157	262	55
20	82	72	141	105	61	65	39	38	299	192	262	57
21	79	76	145	105	62	65	37	40	302	204	272	81
22	79	77	145	105	61	66	37	39	298	199	279	54
23	78	78	144	103	61	68	36	36	291	191	274	55
24	78	78	143	102	60	74	41	39	288	184	265	56
25	79	79	143	99	59	77	42	42	288	179	246	56
26	95	80	141	95	59	74	41	44	289	181	237	57
27	98	81	142	92	58	70	41	47	289	193	226	56
28	96	86	144	90	59	66	40	49	283	225	219	56
29	94	90	150	87	---	61	39	52	274	249	211	58
30	121	97	151	86	---	59	39	54	265	254	207	58
31	182	---	149	84	---	56	---	52	---	253	201	---
TOTAL	2650	2060	4138	3625	1877	1984	1233	1277	6291	6495	8418	3022
MEAN	85.5	68.7	133	117	67.0	64.0	41.1	41.2	210	210	272	101
AC-FT	5260	4090	8210	7190	3720	3940	2450	2530	12480	12880	16700	5990
MAX	182	191	151	151	85	77	52	54	302	254	365	197
MIN	74	43	102	84	58	56	36	36	49	157	201	53

CAL YR	2006	TOTAL	37333	MEAN	102	MAX	219	MIN	33	AC-FT	74050
WTR YR	2007	TOTAL	43070	MEAN	118	MAX	365	MIN	36	AC-FT	85430

MAX DISCH: 776 CFS AT 12:10 ON Sep. 21, 2007 GH 5.07 FT. SHIFT 0.00 FT.
MAX GH: 5.07 FT. AT 12:10 ON SEP. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06696000 SOUTH PLATTE RIVER BELOW ELEVENMILE RESERVOIR NEAR LAKE GEORGE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06699005 TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON, CO

LOCATION.--Lat. 39°17'13", Long. 105°41'43", in the NW ¼ of the NW ¼ of Sec. 8, T. 9 S., R. 74 W., Park County, Hydrologic unit 10190001, on left bank 1800 ft. downstream from Rock Creek, 9 mi. southeast of Jefferson and 1.0 mi. northwest of Bordenville.

DRAINAGE AREA AND PERIOD OF RECORD.--230 mi². Apr. 26, 1983 (no previous gage at this site). Operation discontinued by USGS 9-30-97. Taken over by Colorado Division of Water Resources.

GAGE.--Shaft encoder and satellite monitoring DCP in a in a metal shelter on an 18-inch metal well. Well is connected to stream by one 2-in. intake. Primary gage is a drop tape to a shelf mounted RP. Altitude of gage is 9020 ft, from USGS topographic map. Station is maintained by the City of Aurora.

REMARKS.--Record is taken from hourly satellite readings and is complete and reliable, except for the following periods: November 8, 2006 partial (shut-down) day; November 8, 2006 to April 16, 2007, when the station was closed for winter; April 16, 2007 partial (start-up) day; and April 18, 2007, appeared to have ice in the stream. The record is good for the entire period of operation, except for periods of partial and ice affected record, which are estimated and considered poor. The station is operated on a seasonal basis. Station operated and record developed by Mike Wild.

RATING TABLE.--TARBORCO06 USED FROM 01-OCT-2006 TO 08-NOV-2006
TARBORCO06 USED FROM 06-APR-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

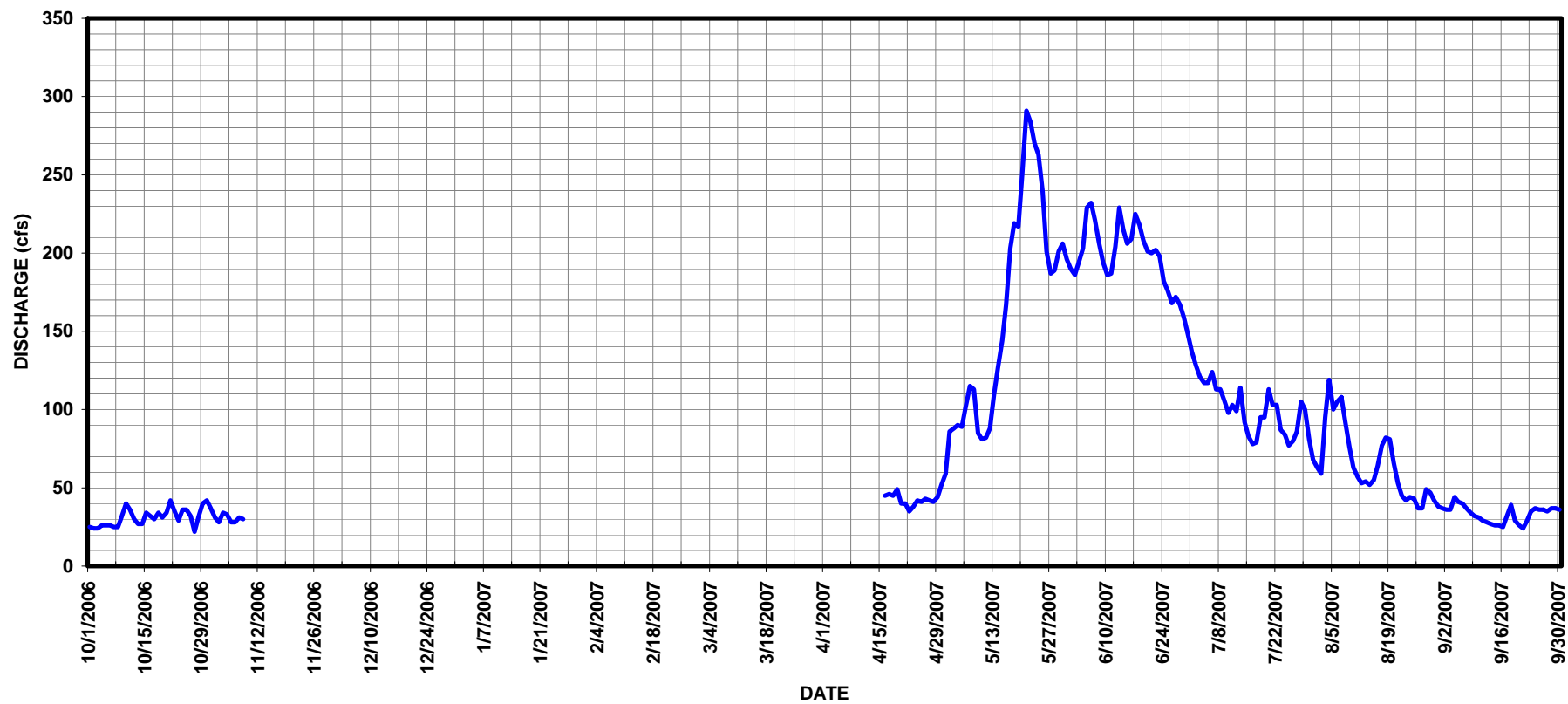
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	31	---	---	---	---	---	59	190	137	63	37
2	24	28	---	---	---	---	---	86	186	128	59	36
3	24	34	---	---	---	---	---	88	194	121	95	36
4	26	33	---	---	---	---	---	90	203	117	119	44
5	26	28	---	---	---	---	---	89	229	117	100	41
6	26	28	---	---	---	---	---	102	232	124	105	40
7	25	31	---	---	---	---	---	115	221	113	108	37
8	25	30	---	---	---	---	---	113	206	113	92	34
9	32	---	---	---	---	---	---	85	194	106	76	32
10	40	---	---	---	---	---	---	81	186	98	63	31
11	36	---	---	---	---	---	---	82	187	103	57	29
12	30	---	---	---	---	---	---	88	204	99	53	28
13	27	---	---	---	---	---	---	110	229	114	54	27
14	27	---	---	---	---	---	---	127	215	92	52	26
15	34	---	---	---	---	---	---	144	206	83	55	26
16	32	---	---	---	---	---	45	167	209	78	64	25
17	30	---	---	---	---	---	46	203	225	79	77	32
18	34	---	---	---	---	---	45	219	218	95	82	39
19	31	---	---	---	---	---	49	217	208	95	81	29
20	34	---	---	---	---	---	40	251	201	113	66	26
21	42	---	---	---	---	---	40	291	200	103	53	24
22	35	---	---	---	---	---	35	284	202	103	45	29
23	29	---	---	---	---	---	38	270	198	87	42	35
24	36	---	---	---	---	---	42	263	182	84	44	37
25	36	---	---	---	---	---	41	239	176	77	43	36
26	32	---	---	---	---	---	43	201	168	80	37	36
27	22	---	---	---	---	---	42	187	172	86	37	35
28	32	---	---	---	---	---	41	189	167	105	49	37
29	40	---	---	---	---	---	44	201	159	100	47	37
30	42	---	---	---	---	---	52	206	148	81	42	36
31	37	---	---	---	---	---	---	196	---	68	38	---
TOTAL	971	243	---	---	---	---	643	5043	5915	3099	1998	997
MEAN	31.3	30.4	---	---	---	---	42.9	163	197	100	64.5	33.2
AC-FT	1930	482	---	---	---	---	1280	10000	11730	6150	3960	1980
MAX	42	34	---	---	---	---	52	291	232	137	119	44
MIN	22	28	---	---	---	---	35	59	148	68	37	24
CAL YR 2006	TOTAL	13546	MEAN	64.2	MAX	235	MIN	22	AC-FT	26870	(PARTIAL YEAR RECORD)	
WTR YR 2007	TOTAL	18909	MEAN	91.3	MAX	291	MIN	22	AC-FT	37510	(PARTIAL YEAR RECORD)	

MAX DISCH: 310 CFS AT 16:00 ON May. 21, 2007 GH 4.15 FT. SHIFT 0.01 FT.

MAX GH: 4.15 FT. AT 16:00 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06699005 TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

TARRYALL CREEK BELOW TARRYALL RESERVOIR, CO

LOCATION.--Lat. 39° 13' 18", Long. 105° 36' 07"; in SW1/4 of sec 31, T. 9S, R. 73W, Park County, about 500 ft. downstream from Tarryall Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--355 sq. mi., from DWR Dam Safety Section database. Age of the gage is not known, although the reservoir was built in 1929. DWR first ran levels in June of 1975, and installation in 1970's is consistent with the type of materials used. The gage has been operated infrequently and records have never been kept prior to 2005. The gage was activated with satellite monitoring in WY2005.

GAGE.--SatLink 2 satellite monitoring Data Collection Platform (DCP) with shaft encoder in a 36" CMP shelter and cast iron well, located on the right downstream abutment of a bridge on Park County Road 77. Gage is operated and equipment is maintained by the CO Div. of Water Resources under a cooperative agreement with the CO Div. of Wildlife, the owner of Tarryall Reservoir. There is an inside reference tape and a staff gage on the center abutment of the bridge. Elevation of gage is 8800 ft. from topographic map.

REMARKS.--Record is taken from hourly average satellite readings and is complete and reliable, except for December 5, 2006 to March 12, 2007, when the station was closed for the winter; December 4, 2006 and March 13, 2007 were partial record days; and May 4, 2007 to May 13, 2007, when the DCP failed. Encoder calibration was checked with 30 visits by DWR personnel while the gage was open. The record is good, except for the period of DCP failure, which is poor, and the days of December 4, 2006 and March 13, 2007, which are estimated and fair. The station is operated on a seasonal basis. Station operated and record developed by Mike Wild.

RATING TABLE.--TARTARCO02 USED FROM 01-OCT-2006 TO 03-DEC-2006
TARTARCO02 USED FROM 14-MAR-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	36	14	---	---	---	32	47	198	151	72	49
2	25	32	13	---	---	---	33	60	194	138	82	46
3	25	28	13	---	---	---	36	82	192	133	171	44
4	26	32	10	---	---	---	39	90	203	129	145	45
5	27	32	---	---	---	---	40	90	220	128	130	51
6	27	31	---	---	---	---	41	90	235	127	127	52
7	27	32	---	---	---	---	40	90	233	126	129	48
8	27	34	---	---	---	---	39	90	224	124	119	43
9	29	34	---	---	---	---	39	90	210	119	101	40
10	33	33	---	---	---	---	40	90	198	113	81	38
11	36	26	---	---	---	---	38	88	192	110	69	36
12	35	23	---	---	---	---	30	90	199	110	62	34
13	33	22	---	---	---	20	29	97	224	116	60	32
14	31	20	---	---	---	23	29	115	230	114	59	31
15	32	20	---	---	---	39	29	132	221	101	59	30
16	34	20	---	---	---	76	33	152	214	90	66	30
17	34	21	---	---	---	87	40	174	222	86	73	31
18	35	23	---	---	---	82	47	208	227	90	90	36
19	33	23	---	---	---	80	53	214	222	100	96	37
20	34	22	---	---	---	78	47	228	214	110	84	34
21	38	20	---	---	---	69	41	275	213	118	70	31
22	41	20	---	---	---	70	38	303	209	118	58	29
23	37	21	---	---	---	65	35	303	206	107	52	31
24	35	20	---	---	---	64	37	277	200	94	49	35
25	37	20	---	---	---	51	39	267	188	87	50	37
26	41	19	---	---	---	52	39	234	179	87	46	37
27	32	17	---	---	---	58	39	205	180	91	44	37
28	28	15	---	---	---	54	38	194	179	99	46	36
29	31	15	---	---	---	48	38	198	172	118	55	37
30	35	15	---	---	---	37	41	208	162	107	59	37
31	37	---	---	---	---	33	---	209	---	86	53	---
TOTAL	1001	726	50	---	---	1086	1139	4990	6160	3427	2457	1134
MEAN	32.3	24.2	12.5	---	---	57.2	38.0	161	205	111	79.3	37.8
AC-FT	1990	1440	99	---	---	2150	2260	9900	12220	6800	4870	2250
MAX	41	36	14	---	---	87	53	303	235	151	171	52
MIN	25	15	10	---	---	20	29	47	162	86	44	29

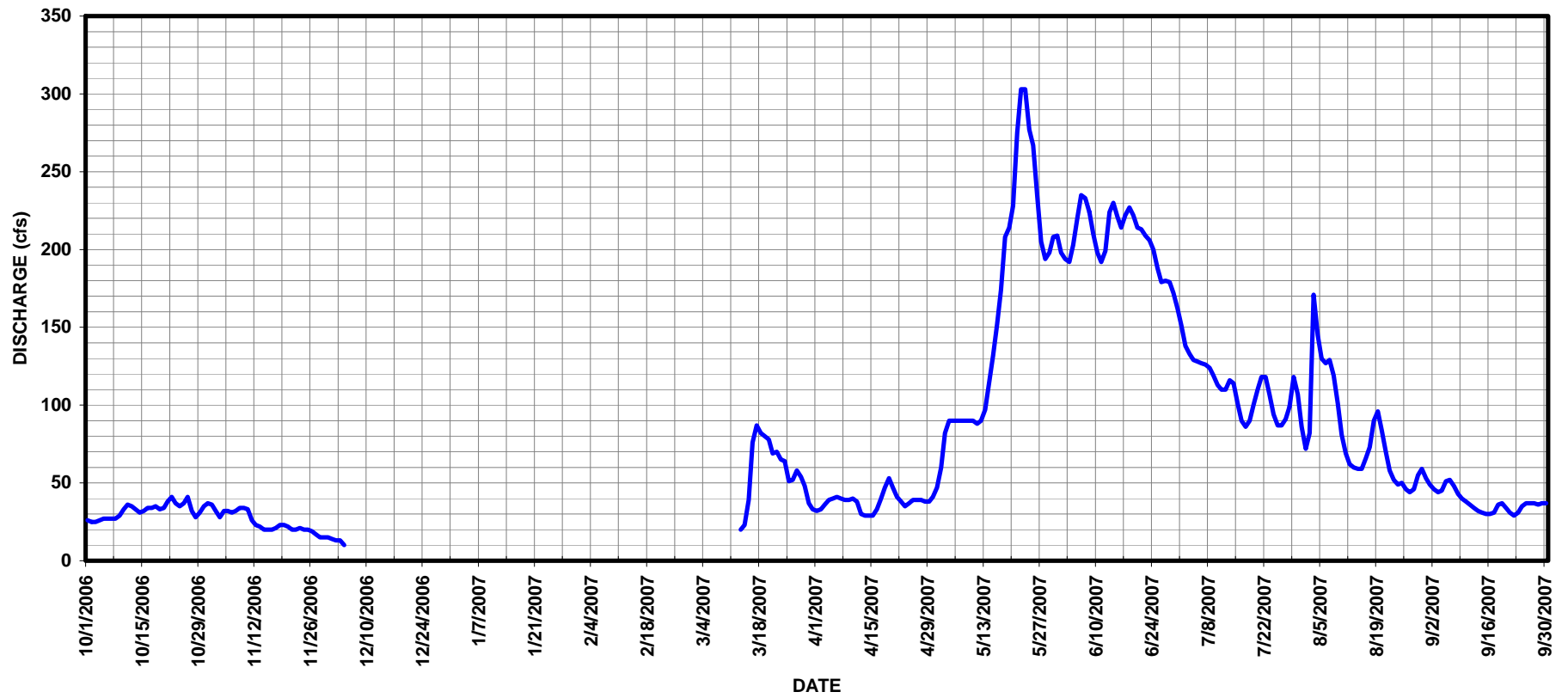
CAL YR	2006	TOTAL	15026	MEAN	55	MAX	228	MIN	10	AC-FT	29800 (PARTIAL YEAR RECORD)
WTR YR	2007	TOTAL	22170	MEAN	83	MAX	303	MIN	10	AC-FT	43970 (PARTIAL YEAR RECORD)

MAX DISCH: 315 CFS AT 03:15 ON May. 23, 2007 GH 4.03 FT. SHIFT -0.22 FT.

MAX GH: 4.03 FT. AT 03:15 ON May. 23, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

TARRYALL CREEK BELOW TARRYALL RESERVOIR CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

LOCATION.--Lat 39°12'33", long 105°16'06", in SE¼NW¼ sec.6, T.10 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank 1,400 ft downstream from toe of Cheesman Dam and 3.8 mi southwest of Deckers.

DRAINAGE AREA AND PERIOD OF RECORD.--1,752 mi². Oct.1, 1924-May 13, 1956 at site 370 feet upstream and 0.50 ft. higher. May 14, 1956 to present at current site. Unreliable record from 1909 to 1924 unpublished.

GAGE.--Water-stage recorder with satellite telemetry in a wooden shelter at a 30 ft Parshall flume. Datum of gage is 6,609 ft. Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U.S. Army Corps of Engineers and the USGS.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. Satellite data agreed with the recorder data within ±0.02 foot. The record is reliable and complete. Missing DCP data were filled in using the chart data on April 20, May 8, and Sept 19-20, 2007, without loss of accuracy. The record is considered good. Station maintained and record developed by Steve Barrett.

RATING TABLE.--PLACHECO11 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	550	165	75	91	103	48	352	506	502	552	462	462
2	524	365	59	91	126	52	287	506	504	518	429	408
3	453	295	59	91	148	57	229	475	504	501	424	360
4	417	200	59	91	148	57	212	453	488	503	480	329
5	420	203	59	80	128	57	212	479	533	478	534	309
6	404	203	59	59	99	83	216	500	570	488	563	309
7	393	186	59	59	99	102	215	500	575	466	607	309
8	393	146	92	81	99	102	214	500	585	452	651	288
9	391	119	134	102	99	129	214	500	586	447	645	233
10	361	144	134	102	99	160	213	558	584	440	614	234
11	262	212	134	112	99	159	182	598	579	443	605	235
12	172	226	134	136	99	158	164	545	594	448	584	232
13	122	215	134	152	99	158	153	500	622	438	501	299
14	99	176	134	152	99	158	144	500	633	424	419	395
15	70	152	134	152	99	175	144	469	633	406	405	429
16	50	154	134	152	100	200	144	444	631	386	389	427
17	51	158	134	152	100	213	145	446	639	383	379	363
18	51	158	134	137	100	229	146	460	646	372	420	300
19	51	158	134	126	100	228	186	589	651	368	471	287
20	76	158	134	126	91	254	235	650	656	378	497	375
21	129	158	157	126	81	314	247	666	651	405	473	481
22	150	157	198	126	61	335	247	696	645	445	455	582
23	150	154	198	126	47	335	247	713	637	420	454	620
24	166	150	198	107	48	349	279	719	632	389	452	556
25	179	150	198	81	48	379	301	698	633	377	452	434
26	247	148	171	90	48	378	300	672	606	429	423	365
27	303	148	150	103	48	370	300	614	598	408	332	346
28	323	148	130	103	48	354	354	571	603	440	257	361
29	305	131	110	103	---	346	433	552	602	489	258	371
30	221	105	99	103	---	348	484	503	582	521	314	370
31	115	---	91	103	---	350	---	498	---	484	419	---
TOTAL	7598	5242	3829	3415	2563	6637	7199	17080	17904	13698	14368	11069
MEAN	245	175	124	110	91.5	214	240	551	597	442	463	369
AC-FT	15070	10400	7590	6770	5080	13160	14280	33880	35510	27170	28500	21960
MAX	550	365	198	152	148	379	484	719	656	552	651	620
MIN	50	105	59	59	47	48	144	444	488	368	257	232

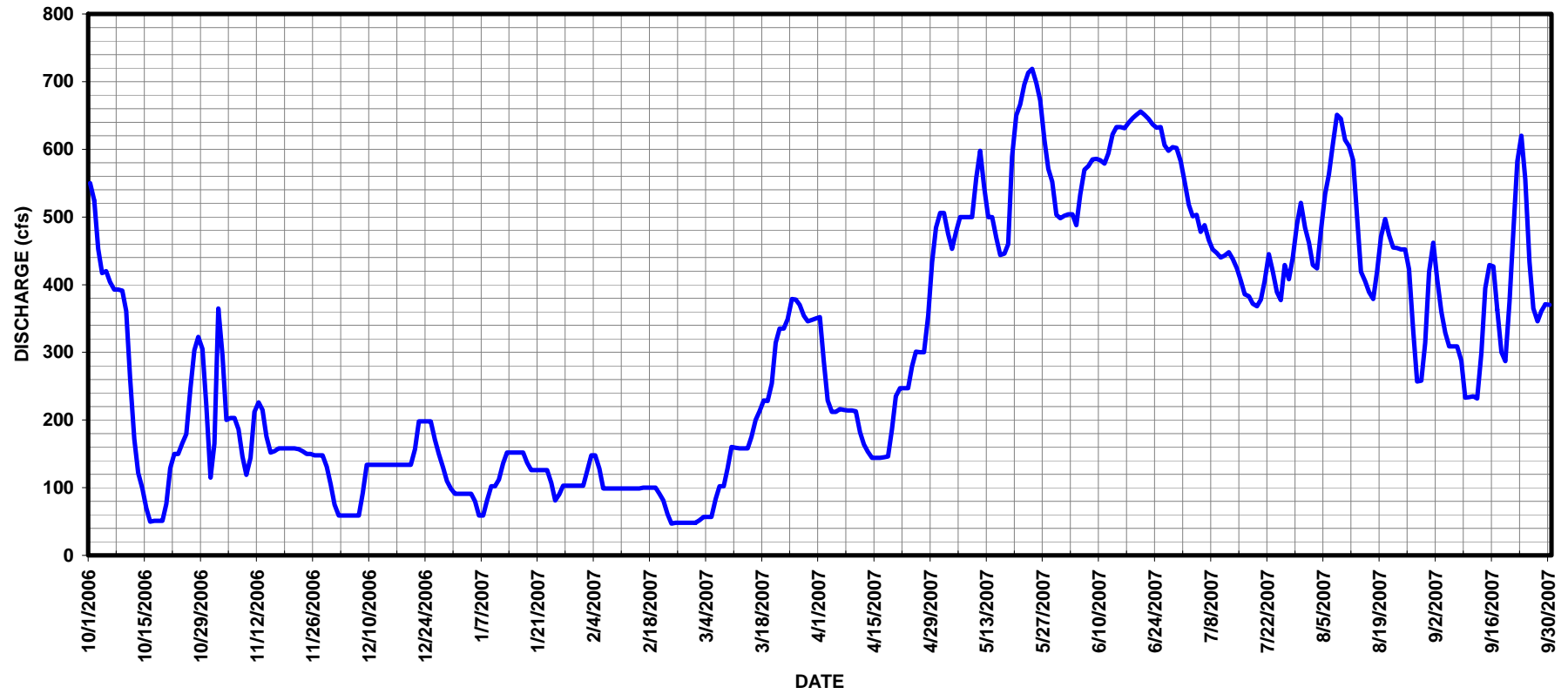
CAL YR	2006	TOTAL	70261	MEAN	192	MAX	552	MIN	50	AC-FT	139360
WTR YR	2007	TOTAL	110602	MEAN	303	MAX	719	MIN	47	AC-FT	219400

MAX DISCH: 737 CFS AT 23:15 ON May. 23, 2007 GH 3.27 FT. SHIFT 0 FT.

MAX GH: 3.27 FT. AT 23:15 ON May. 23, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06706000 NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK AT GRANT, CO

LOCATION.--Lat 39°27'26", long 105°39'29" in NW¼ sec. 10, T.7 S., R.74 W., Park County, Hydrologic Unit 10190002, on left bank at Grant, 1,550 ft downstream from Geneva Creek, and 1.3 mi downstream from east portal of Harold D. Roberts tunnel.

DRAINAGE AREA AND PERIOD OF RECORD.--127 mi²; 1948 to present.

GAGE.--A graphic water stage recorder and satellite monitoring equipment in a wooden shelter over a concrete well at a concrete trapezoidal channel section and spillway. The gage has power and is equipped with heat lamps and tapes to prevent freezing of the stilling well and intakes. The station is owned and maintained by the Denver Water Department. The satellite equipment is owned by the Office of the State Engineer. The Sutron 8200 Data Collection Platform (DCP) was replaced with a Sutron SatLink2 high data rate DCP on 7/19/2007.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable, except for periods when Roberts's tunnel was off and the gage was affected by ice: October 26-31, November 10-27, December 6-31, 2006, Jan 1-31, Feb 1-28, and March 1-8, 2007. Rapid changes in stage are caused by the regulation of Roberts Tunnel located ½ mile upstream. When Roberts Tunnel is operating, the gage is free from ice. The record is good, except during periods of ice affected record, which are estimated and fair to poor. Station maintained and record developed by Mike Wild.

RATING TABLE.--PLAGRACO12 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

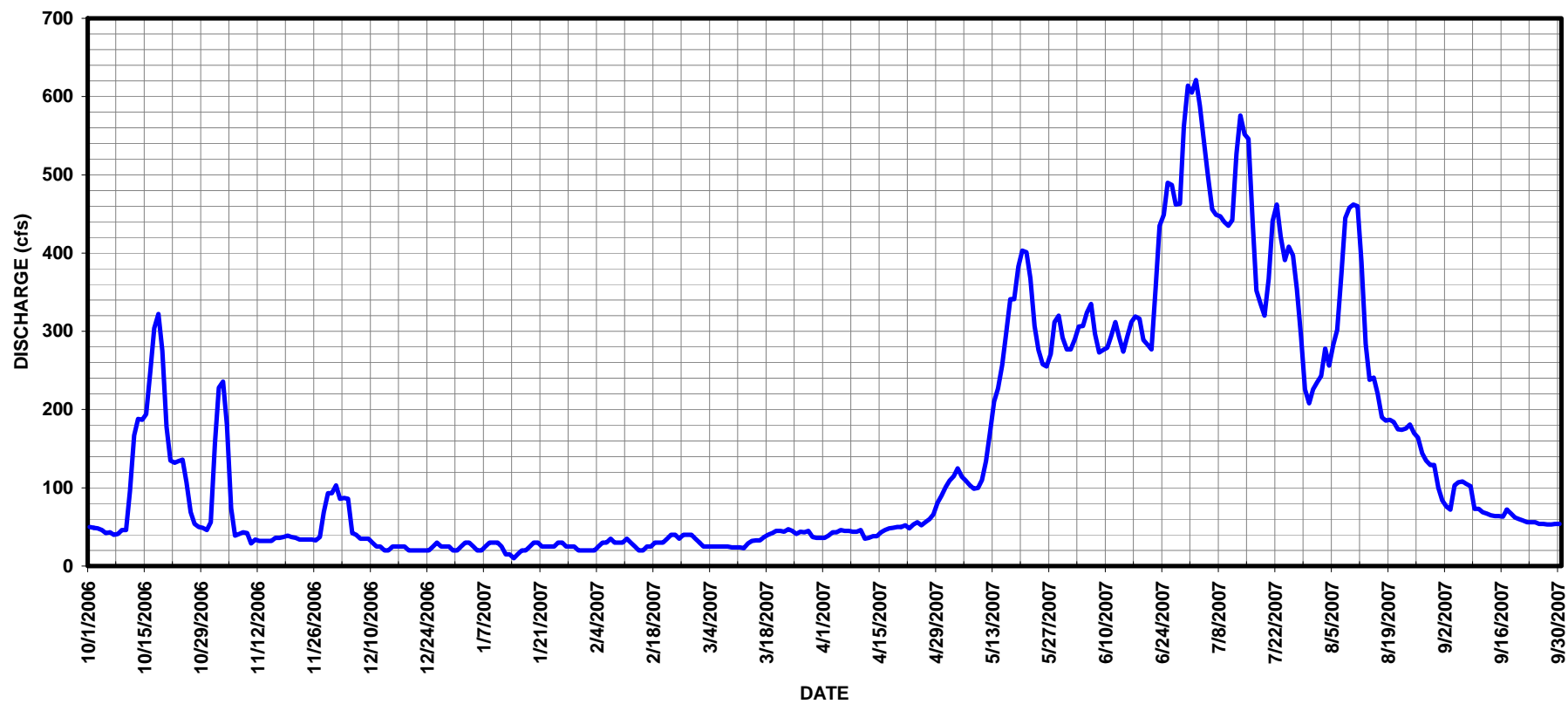
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	157	103	25	20	30	36	101	277	605	235	84
2	49	228	86	30	20	25	39	109	290	621	243	76
3	48	236	87	30	20	25	43	115	306	588	278	72
4	46	180	86	25	25	25	43	125	307	541	256	103
5	42	74	42	20	30	25	46	114	324	498	283	107
6	43	39	40	20	30	25	45	109	335	456	302	108
7	40	41	35	25	35	25	45	103	297	449	373	105
8	41	43	35	30	30	25	44	99	273	447	445	102
9	46	42	35	30	30	24	44	100	276	440	458	73
10	46	29	30	30	30	24	46	110	279	435	462	73
11	96	34	25	25	35	24	35	134	294	442	460	69
12	167	32	25	15	30	23	36	170	312	527	388	67
13	188	32	20	15	25	29	38	210	292	576	284	65
14	187	32	20	10	20	32	38	227	274	552	238	64
15	194	32	25	15	20	33	43	257	293	546	241	64
16	249	36	25	20	25	33	46	297	312	440	220	63
17	304	36	25	20	25	37	48	341	319	352	190	72
18	322	37	25	25	30	40	49	341	316	335	186	67
19	275	39	20	30	30	42	50	383	289	320	187	62
20	178	37	20	30	30	45	50	403	283	367	184	60
21	135	36	20	25	35	45	52	401	277	441	175	58
22	132	34	20	25	40	44	48	368	356	462	174	56
23	134	34	20	25	40	47	53	307	435	421	176	56
24	136	34	20	25	35	45	56	276	449	391	181	56
25	107	34	25	30	40	41	52	258	490	408	170	54
26	69	33	30	30	40	44	56	255	487	397	164	54
27	54	37	25	25	40	43	60	271	462	354	144	53
28	50	69	25	25	35	45	66	312	463	293	135	53
29	49	93	25	25	---	37	81	320	562	226	129	54
30	46	93	20	20	---	36	90	292	614	208	129	54
31	56	---	20	20	---	36	---	277	---	226	100	---
TOTAL	3579	1913	1059	745	845	1054	1478	7185	10543	13364	7590	2104
MEAN	115	63.8	34.2	24.0	30.2	34.0	49.3	232	351	431	245	70.1
AC-FT	7100	3790	2100	1480	1680	2090	2930	14250	20910	26510	15050	4170
MAX	322	236	103	30	40	47	90	403	614	621	462	108
MIN	40	29	20	10	20	23	35	99	273	208	100	53

CAL YR	2006	TOTAL	73466	MEAN	201	MAX	703	MIN	20	AC-FT	145700
WTR YR	2007	TOTAL	51459	MEAN	141	MAX	621	MIN	10	AC-FT	102100

MAX DISCH: 649 CFS AT 10:00 ON Jul. 2, 2007 GH 1.95 FT. SHIFT -0.07 FT.
MAX GH: 1.95 FT. AT 10:00 ON Jul. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06706000 NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK AT GRANT CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

LOCATION.--Lat 39°24'32", long 105°10'12", SE¼ sec. 25, T.7 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank at South Platte, 200 ft downstream from bridge on State Highway 75, and 400 ft downstream from North Fork.

DRAINAGE AREA AND PERIOD OF RECORD.--2,579 mi²; Jan. 1896 to present.

GAGE.--A graphic water stage recorder and satellite monitoring equipment (Sutron 8210 DCP and shaft encoder) in a concrete shelter and 60-inch CMP well. The primary gage is an electric tape gage mounted on the equipment shelf. The gage is on Denver Water Board property.

REMARKS.--The primary record is hourly data taken from satellite readings with chart back up. The record is complete and reliable, except for the following days when ice affected the stage-discharge relationship: November 29-30, December 1-7, 22, 2006, January 9-31, and February 1-6, 2007. These time periods were compared to Denver Water Department Inflows into Strontia Reservoir and also compared to trends in releases from Cheeseman Reservoir added to flows at the station at Grant. The record is good, except for the periods of ice affected record, which are estimated and considered poor. Station maintained and record developed by Steve Barrett.

RATING TABLE.--PLASPLC016 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

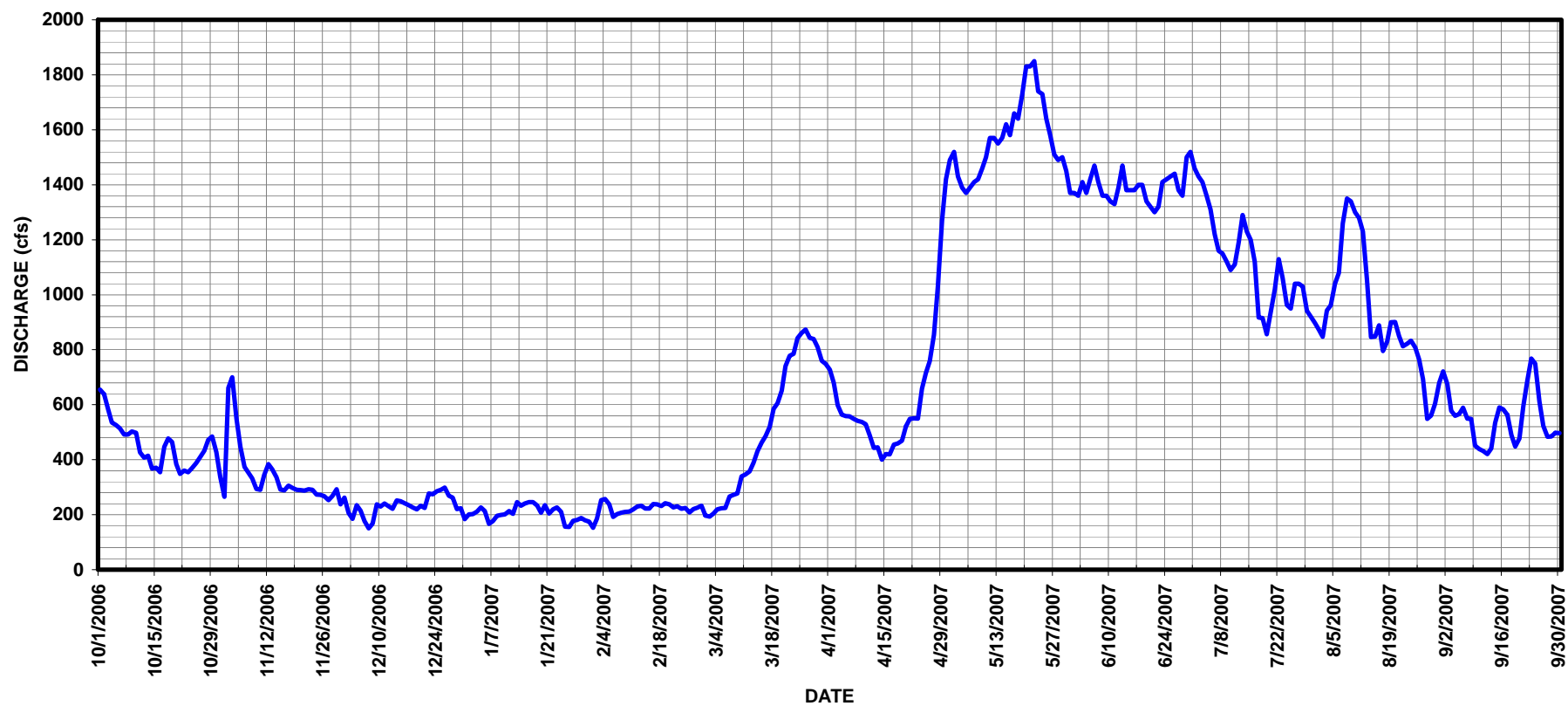
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	655	265	262	201	152	197	727	1490	1370	1460	873	721
2	638	661	206	202	186	193	680	1520	1360	1430	847	675
3	584	700	185	211	253	204	598	1430	1410	1410	943	578
4	535	551	235	227	257	219	564	1390	1370	1360	962	560
5	526	448	214	213	238	223	559	1370	1420	1310	1040	566
6	514	374	177	167	192	224	558	1390	1470	1220	1080	589
7	492	353	150	177	202	266	549	1410	1410	1160	1260	550
8	492	332	168	196	207	272	541	1420	1360	1150	1350	548
9	503	294	238	199	210	277	537	1460	1360	1120	1340	451
10	498	291	230	201	211	339	529	1500	1340	1090	1300	439
11	427	344	241	213	219	346	490	1570	1330	1110	1280	432
12	407	384	231	203	230	358	443	1570	1390	1190	1230	421
13	414	365	221	246	233	389	445	1550	1470	1290	1050	441
14	368	336	252	233	222	431	400	1570	1380	1230	846	534
15	371	292	249	241	222	462	421	1620	1380	1200	848	590
16	355	288	242	246	239	486	419	1580	1380	1120	889	583
17	447	306	235	246	238	520	455	1660	1400	917	795	563
18	477	298	227	234	232	585	459	1640	1400	915	830	491
19	464	290	219	207	242	605	469	1730	1340	856	900	448
20	384	289	233	235	238	651	521	1830	1320	936	901	477
21	348	287	224	204	227	740	548	1830	1300	1020	850	595
22	361	293	277	219	231	778	551	1850	1320	1130	813	689
23	355	291	274	227	221	785	550	1740	1410	1060	822	768
24	370	273	285	210	224	842	658	1730	1420	963	833	750
25	388	272	290	156	208	861	715	1640	1430	950	809	613
26	409	267	299	155	220	874	759	1580	1440	1040	765	523
27	433	253	269	178	225	843	854	1510	1380	1040	693	483
28	472	268	262	181	233	839	1030	1490	1360	1030	548	485
29	485	293	220	188	---	810	1270	1500	1500	942	561	498
30	428	238	223	180	---	760	1420	1450	1520	920	603	497
31	337	---	184	175	---	749	---	1370	---	897	680	---
TOTAL	13937	10196	7222	6371	6212	16128	18719	48390	41740	34466	28541	16558
MEAN	450	340	233	206	222	520	624	1561	1391	1112	921	552
AC-FT	27640	20220	14320	12640	12320	31990	37130	95980	82790	68360	56610	32840
MAX	655	700	299	246	257	874	1420	1850	1520	1460	1350	768
MIN	337	238	150	155	152	193	400	1370	1300	856	548	421
CAL YR 2006	TOTAL	166001	MEAN	455	MAX	1110	MIN	142	AC-FT	329260		
WTR YR 2007	TOTAL	248480	MEAN	681	MAX	1850	MIN	150	AC-FT	492900		

MAX DISCH: 1920 CFS AT 07:00 ON May. 20, 2007 GH 5.28 FT. SHIFT -0.08 FT.

MAX GH: 5.28 FT. AT 07:00 ON May. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR, CO

LOCATION.--Lat 39°26'00", long 105°07'30", SW¼SW¼ sec. 16, T.7 S., R.69 W., Douglas County, on right bank 1/4 mi downstream from Strontia Springs Dam.

DRAINAGE AREA AND PERIOD OF RECORD.--2,596 mi²; 1983 to present.

GAGE.--A Stevens A-70 graphic water stage recorder, satellite monitoring data collection platform with digital shaft encoder installed in a formed concrete shelter. An adjustable reference point with a graduated tape on the float drive for the recorder is used for referencing. An adjustable reference for a drop tape is located below the well manhole. An outside staff gage is used as an additional reference.

REMARKS.--Record is complete and reliable, except for Dec. 22-25, 31, 2006; Jan. 1-3, 6-8, 12-31; and Feb 1, 2007, when ice affected the stage-discharge relationship. The record is good, except for periods of ice affected record, which were estimated and are considered fair. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLASTRC03 USED FROM 01-OCT-2006 TO 30-SEP-2007

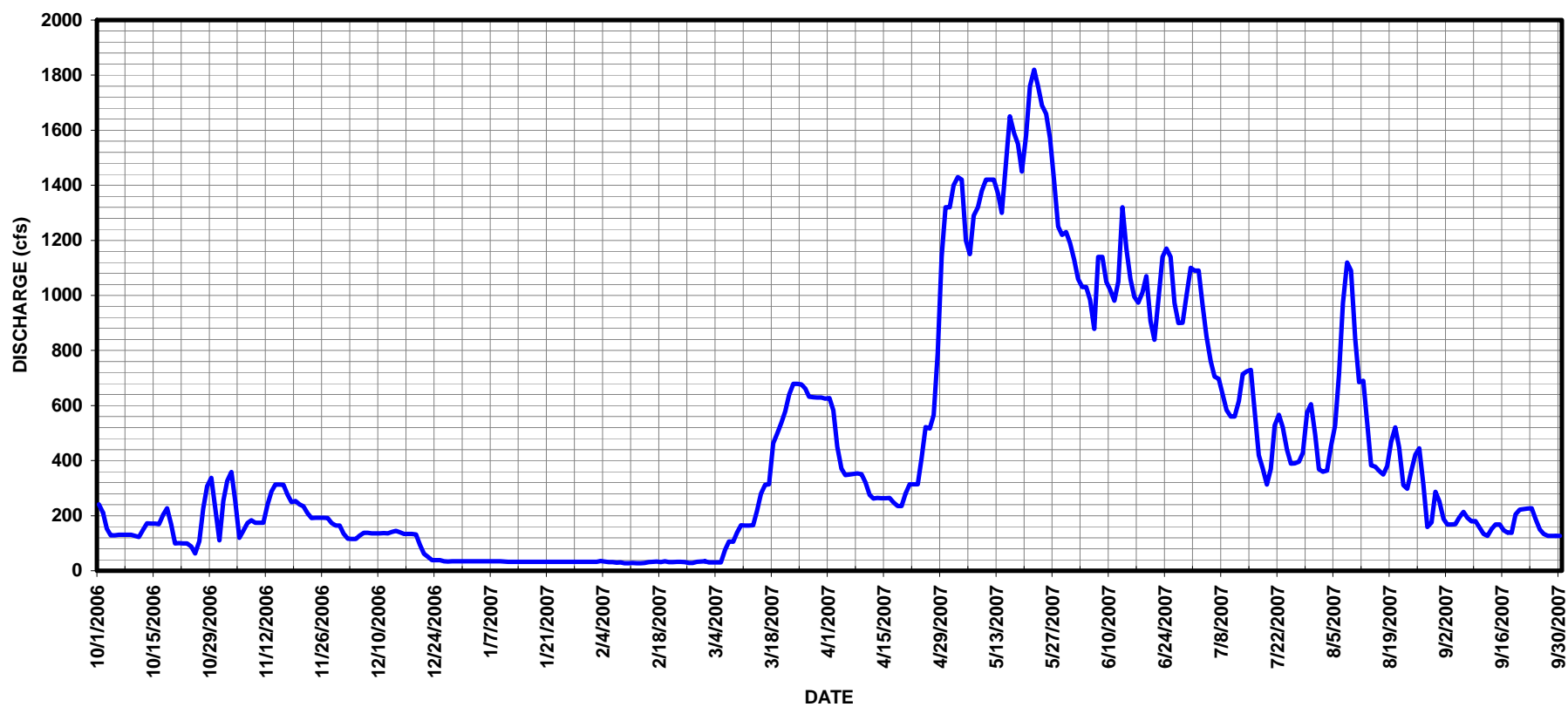
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	241	253	135	34	32	34	627	1320	1130	1090	369	188
2	211	326	117	34	32	30	583	1400	1060	1090	360	168
3	153	359	116	34	35	30	451	1430	1030	966	364	168
4	129	255	115	34	33	30	371	1420	1030	852	451	169
5	129	120	128	34	31	30	348	1200	984	762	528	194
6	131	145	138	34	31	76	350	1150	878	705	714	214
7	131	173	138	34	29	106	352	1290	1140	697	972	192
8	131	183	136	34	30	105	354	1320	1140	640	1120	179
9	131	174	136	34	27	139	351	1380	1050	584	1090	180
10	127	174	136	33	27	165	321	1420	1020	560	843	156
11	123	174	137	32	28	164	276	1420	981	560	685	134
12	149	240	136	32	27	164	262	1420	1050	616	690	127
13	172	288	141	32	27	165	264	1370	1320	714	537	152
14	171	313	145	32	28	218	263	1300	1170	724	383	168
15	171	313	140	32	31	280	263	1480	1060	729	378	168
16	169	312	134	32	32	312	264	1650	995	577	363	147
17	204	276	134	32	33	314	248	1590	974	419	350	139
18	227	249	134	32	31	463	235	1550	1010	372	380	138
19	169	253	132	32	34	497	235	1450	1070	313	467	205
20	99	241	94	32	31	537	280	1580	907	370	521	222
21	100	234	62	32	31	579	314	1760	839	528	447	224
22	99	209	51	32	32	639	314	1820	982	566	311	226
23	99	191	39	32	32	679	314	1760	1140	521	298	227
24	88	192	39	32	31	679	411	1690	1170	440	361	187
25	63	192	39	32	28	677	522	1660	1140	389	421	150
26	107	192	34	32	28	662	517	1570	973	390	445	134
27	226	191	33	32	32	632	565	1410	900	396	311	127
28	307	173	34	32	33	630	790	1250	901	429	159	127
29	337	164	34	32	---	629	1140	1220	1000	574	175	127
30	228	164	34	32	---	629	1320	1230	1100	605	287	127
31	110	---	34	32	---	625	---	1190	---	495	252	---
TOTAL	4932	6723	3055	1011	856	10919	12905	44700	31144	18673	15032	5064
MEAN	159	224	98.5	32.6	30.6	352	430	1442	1038	602	485	169
AC-FT	9780	13340	6060	2010	1700	21660	25600	88660	61770	37040	29820	10040
MAX	337	359	145	34	35	679	1320	1820	1320	1090	1120	227
MIN	63	120	33	32	27	30	235	1150	839	313	159	127
CAL YR 2006	TOTAL	67569	MEAN	185	MAX	1090	MIN	30	AC-FT	134020		
WTR YR 2007	TOTAL	155014	MEAN	425	MAX	1820	MIN	27	AC-FT	307500		

MAX DISCH: 1840 CFS AT 12:00 ON May. 21, 2007 GH 6.06 FT. SHIFT -0.01 FT.
MAX GH: 6.06 FT. AT 12:00 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06708000 SOUTH PLATTE RIVER AT WATERTON, CO

LOCATION.--Lat 39°29'18", long 105°05'32", in NE¼ sec. 34, T.6 S., R.69 W., Jefferson County, Hydrologic Unit 10190002, on left bank 168 ft downstream from bridge on State Highway 221, 0.4 mi south of Waterton, 4.7 mi west of Louviers, and 6 mi upstream from Plum Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--2,621 mi²; 1926 to present.

GAGE.--Graphic stage recorder and shaft encoder (on separate floats), satellite monitoring DCP with a phone modem in a 60-inch galvanized, corrugated steel shelter and well. The primary reference is an electric drop tape. The gage has power and is equipped with heat lamps to prevent the well from freezing. The DCP is state-owned, but the phone card is owned by the USACOE and maintained by the USGS. The gage is owned and maintained by Denver Water Department. Datum of gage 5,484.43 ft National Geodetic Vertical Datum, adjustment of 1912.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable, except for November 30, December 1-3, 28, 2006, which had possible slight ice effect. The record is rated good, except for days of possible ice effect, which are fair. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLAWATCO10 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

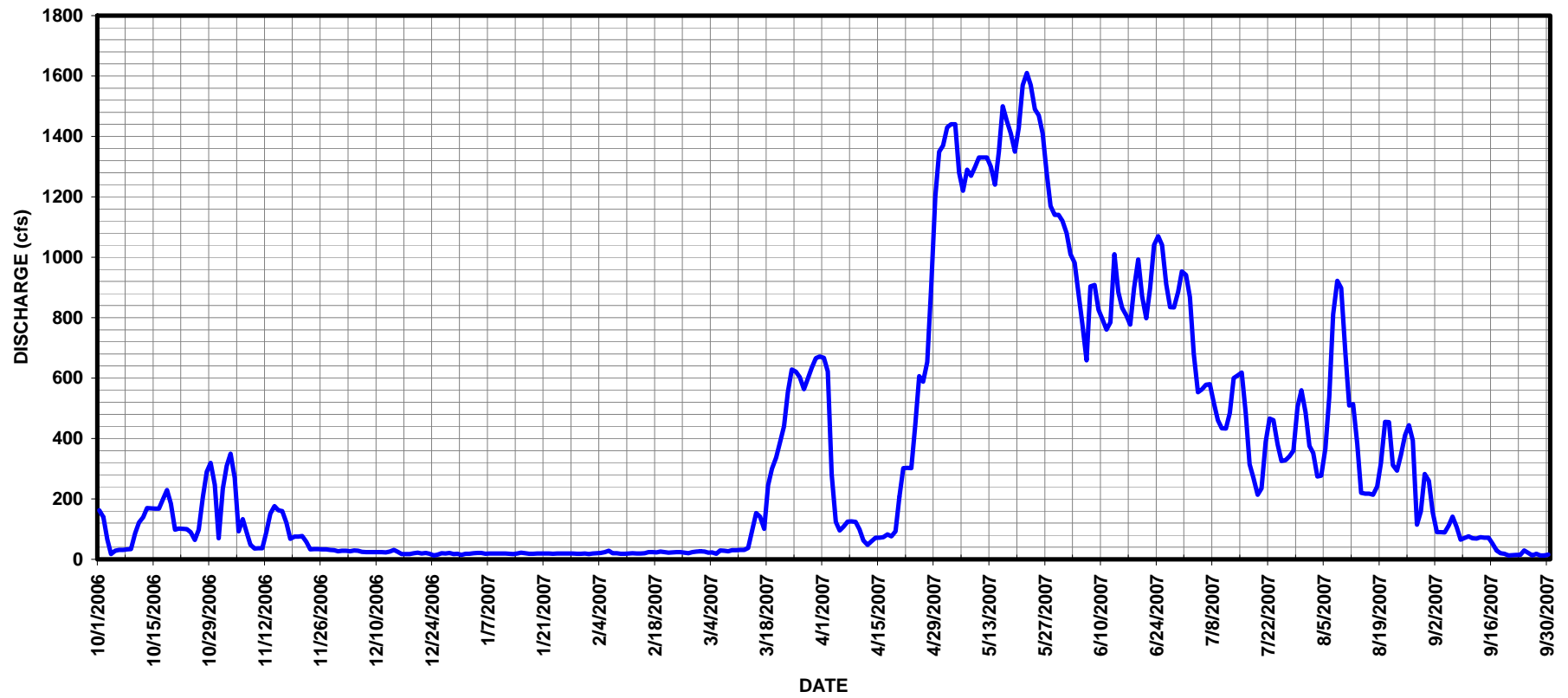
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	234	28	18	17	27	667	1370	1080	941	375	155
2	139	309	28	18	19	26	622	1430	1010	868	352	90
3	66	350	27	20	20	22	282	1440	982	680	274	90
4	17	270	29	21	21	23	124	1440	879	553	277	89
5	28	93	28	21	24	18	95	1280	778	562	367	112
6	31	133	25	18	28	29	108	1220	659	578	538	141
7	31	91	24	19	20	28	125	1290	904	580	811	106
8	33	49	24	19	20	27	126	1270	908	519	922	65
9	34	36	24	19	18	30	124	1300	827	461	898	71
10	86	37	24	19	18	30	99	1330	795	434	685	76
11	122	37	24	19	19	31	62	1330	761	433	509	70
12	139	92	23	18	20	31	48	1330	784	484	514	69
13	170	151	26	17	19	38	60	1300	1010	600	383	73
14	169	176	31	19	19	94	72	1240	885	609	220	72
15	168	162	25	22	20	153	72	1350	832	618	217	72
16	168	160	17	20	24	141	73	1500	807	484	217	52
17	200	121	17	18	24	101	83	1450	777	315	214	29
18	229	68	17	18	23	245	76	1410	898	269	241	20
19	184	75	20	19	26	300	93	1350	993	214	319	18
20	98	75	22	19	24	337	207	1430	871	235	455	13
21	102	77	19	19	22	385	302	1570	798	389	454	14
22	101	58	21	19	23	440	303	1610	899	466	312	15
23	100	33	18	18	24	554	302	1570	1040	461	294	15
24	90	34	13	19	24	628	448	1490	1070	381	345	29
25	64	34	16	19	22	621	606	1470	1040	326	411	21
26	98	33	20	19	20	603	588	1410	911	328	444	13
27	206	33	19	19	24	563	653	1280	835	341	394	18
28	290	31	21	19	26	598	897	1170	834	360	115	13
29	319	30	17	18	---	634	1200	1140	885	505	159	13
30	247	27	18	18	---	666	1350	1140	953	560	283	16
31	70	---	15	19	---	672	---	1120	---	486	260	---
TOTAL	3961	3109	680	587	608	8095	9867	42030	26705	15040	12259	1650
MEAN	128	104	21.9	18.9	21.7	261	329	1356	890	485	395	55.0
AC-FT	7860	6170	1350	1160	1210	16060	19570	83370	52970	29830	24320	3270
MAX	319	350	31	22	28	672	1350	1610	1080	941	922	155
MIN	17	27	13	17	17	18	48	1120	659	214	115	13
CAL YR 2006	TOTAL	38865	MEAN	106	MAX	833	MIN	12	AC-FT	77090		
WTR YR 2007	TOTAL	124591	MEAN	341	MAX	1610	MIN	13	AC-FT	247100		

MAX DISCH: 1630 CFS AT 13:00 ON May. 21, 2007 GH 2.86 FT. SHIFT -0.02 FT.

MAX GH: 2.86 FT. AT 13:00 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06708000 SOUTH PLATTE RIVER AT WATERTON CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

LOCATION.--Lat 39°33'26", long 105°03'27", SE¼, sec. 1, T.6 S., R.69 W., Jefferson County, Hydrologic Unit 10190002.

DRAINAGE AREA AND PERIOD OF RECORD.--3,018 mi²; Jan. 1, 1985 to present.

GAGE.--A Stevens A-70 graphic water stage recorder and satellite monitoring DCP and shaft encoder installed in a formed concrete well and shelter. The DCP is owned and maintained by the DWR. An electric drop tape is used for referencing. There is no outside reference.

REMARKS.--The primary record is hourly satellite data with chart back up. Daily max and min values agreed with the corrected chart values to within ±0.02 foot. The record is complete and reliable. High flow measurements made this water year showed conflicting results with significant shift differences at similar gage heights. The record is good, except flows above 800 cfs are fair due to inconsistencies in high flow measurement results, and flows below 2 cfs are fair, due to lack of recent validation of the rating. Station maintained by Jana Ash and record developed by Jana Ash and Bob Cooper.

RATING TABLE.--PLACHACO03 USED FROM 01-OCT-2006 TO 30-SEP--2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

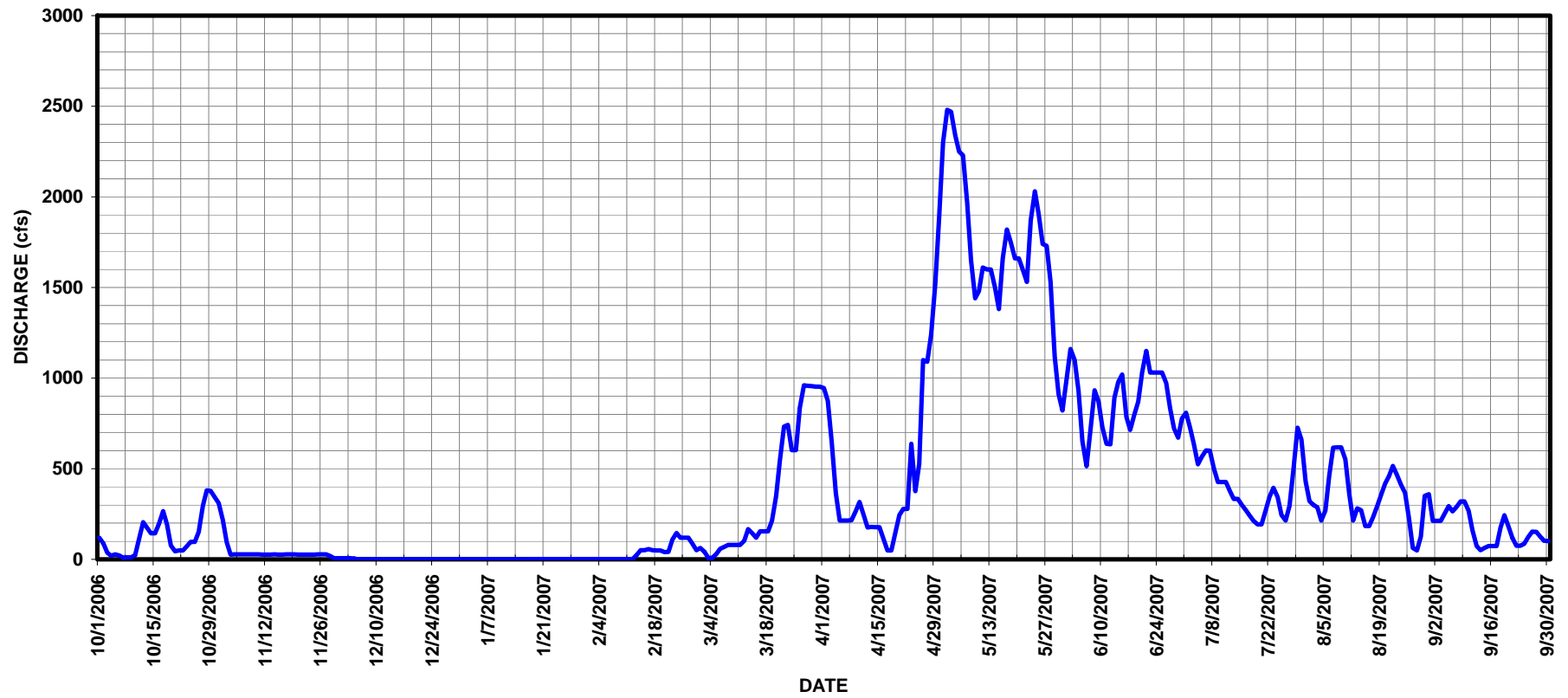
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	217	6.5	.42	1.3	62	945	2300	995	809	321	213
2	87	95	6.5	.42	1.2	42	875	2480	1160	730	301	212
3	36	26	6.5	.42	1.2	7.3	650	2470	1100	637	287	212
4	20	27	4.2	.42	1.2	7.1	365	2340	930	524	214	252
5	27	27	.51	.44	1.2	29	214	2250	651	565	269	293
6	21	27	.51	.42	1.1	58	214	2230	513	601	464	264
7	9.9	27	.51	.42	1.1	69	214	1970	712	599	616	291
8	10	27	.49	.42	1.2	80	216	1650	932	504	617	320
9	10	27	.42	.42	1.1	80	265	1440	871	426	617	320
10	23	27	.42	.42	1.1	80	317	1480	729	426	552	268
11	112	26	.44	.43	1.1	80	249	1610	638	426	363	159
12	205	26	.43	.51	1.1	103	176	1600	635	377	214	73
13	175	26	.43	.51	24	166	179	1600	892	333	281	50
14	144	27	.42	.51	51	145	178	1500	978	333	270	63
15	144	26	.40	.53	51	120	177	1380	1020	301	183	74
16	196	26	.36	.51	57	155	114	1660	787	272	183	73
17	266	27	.36	.95	50	155	49	1820	714	241	233	73
18	193	27	.36	1.5	49	155	49	1750	793	212	294	174
19	76	27	.36	1.5	49	213	151	1660	870	192	353	243
20	44	26	.48	1.4	39	349	245	1660	1030	192	418	181
21	49	26	.45	1.5	42	545	278	1600	1150	271	459	118
22	49	26	.42	1.4	109	732	279	1530	1030	345	515	75
23	72	26	.42	1.4	145	742	637	1870	1030	395	465	75
24	97	26	.42	1.4	120	602	376	2030	1030	344	413	86
25	97	27	.39	1.4	120	602	526	1900	1030	245	367	124
26	152	27	.36	1.4	120	837	1100	1740	973	214	228	153
27	295	27	.36	1.4	87	960	1090	1730	834	295	63	152
28	380	18	.39	1.4	51	957	1240	1530	723	493	49	126
29	378	6.5	.38	1.4	---	955	1520	1120	671	726	125	102
30	343	6.5	.36	1.4	---	953	1890	911	776	661	350	101
31	310	---	.38	1.3	---	952	---	821	---	431	360	---
TOTAL	4140.9	1007.0	34.93	27.97	1177.9	10992.4	14778	53632	26197	13120	10444	4920
MEAN	134	33.6	1.13	.90	42.1	355	493	1730	873	423	337	164
AC-FT	8210	2000	69	55	2340	21800	29310	106400	51960	26020	20720	9760
MAX	380	217	6.5	1.5	145	960	1890	2480	1160	809	617	320
MIN	9.9	6.5	.36	.42	1.1	7.1	49	821	513	192	49	50

CAL YR	2006	TOTAL	34488.34	MEAN	94.5	MAX	941	MIN	.03	AC-FT	68410
WTR YR	2007	TOTAL	140472.1	MEAN	385	MAX	2480	MIN	.36	AC-FT	278600

MAX DISCH: 2510 CFS AT 19:30 ON May. 1, 2007 GH 5.37 FT. SHIFT 0.11 FT.
MAX GH: 5.37 FT. AT 19:30 ON May. 1, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06710500 BEAR CREEK AT MORRISON, CO

LOCATION.--Lat 39°39'11", long 105°11'44", in SE¼SW¼ sec. 35, T.4 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank at Morrison, 180 ft upstream from bridge on State Highway 8 and 0.2 mi upstream from Mount Vernon Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--164 mi². Sporadic, incomplete data Sep. 1881 to Feb. 1902. Good data October 1919 to current year. Monthly data for some periods only. Some early years published as near Morrison, at Starbuck, at Idledale. Water quality data from Oct. 1976 to Sep. 1981.

GAGE.--Stevens A-35 graphic stage recorder and satellite monitoring DCP with telephone access in a 60-inch metal shelter and 48 inch well. Primary reference gage is a drop tape within the well referenced to an adjustable RP on the instrument shelf. There is no outside gage. Control is a compound weir and forms gage pool. A bank-operated cableway at the gage is used for high flow measurements.

REMARKS.--Hourly data is the primary record, taken from satellite monitoring with chart back-up. Accuracy was maintained by 35 visits to the gage. The record is complete and reliable, except for the following periods: Nov. 29, 2006 - Feb 28, 2007, when the gage height was ice affected; and March 20 - April 2, May 14-18, 2007, due to debris on the control. The record is good, except as follows: December 6-20, 2006, January 25-28, February 19-21, 2007, which were estimated and are considered poor; and November 29-December 5, 2006, January 4, 13, 17, 21-24, 29-31, February 22-28, 2007, which are fair due to possible ice effect; and March 20 - April 2, 2007; May 14-18, 2007, which are considered fair due to debris on the control. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BCRMORCO23 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	23	13	17	11	19	97	316	194	86	57	47
2	18	20	18	15	7.4	21	90	302	191	81	62	42
3	18	24	15	20	12	25	85	279	202	77	96	37
4	18	27	21	18	15	27	84	277	196	81	84	37
5	18	25	24	18	16	29	84	285	196	80	89	44
6	18	24	21	14	18	26	84	304	200	95	82	44
7	18	24	19	15	21	29	79	300	187	74	83	38
8	17	27	18	17	22	31	78	304	179	71	74	34
9	21	27	18	18	23	32	81	339	183	70	64	34
10	22	26	17	18	24	37	81	350	183	64	62	35
11	22	18	18	19	24	36	67	341	179	63	61	34
12	19	25	18	16	27	44	64	340	206	61	58	33
13	20	20	17	15	25	53	66	341	245	74	56	31
14	18	21	17	15	22	67	56	340	192	61	52	33
15	19	20	18	14	21	72	62	329	188	59	55	34
16	21	21	17	13	24	60	60	318	189	55	69	31
17	22	23	17	12	23	67	81	322	194	53	56	34
18	22	20	15	12	22	79	76	309	185	53	60	34
19	19	20	15	13	23	86	76	311	167	58	56	30
20	27	17	13	14	24	87	76	299	157	69	53	29
21	25	19	21	15	24	91	82	285	148	65	45	28
22	22	21	20	16	26	94	82	288	142	58	45	26
23	20	21	19	17	29	99	83	253	137	51	45	26
24	24	18	20	18	29	131	130	254	128	48	47	28
25	24	17	17	16	24	120	131	226	119	54	43	31
26	30	17	21	16	27	124	151	208	112	52	37	29
27	20	15	20	16	27	120	198	200	113	57	38	27
28	39	18	16	15	29	121	241	204	104	89	43	27
29	30	13	19	17	---	113	301	231	100	71	42	27
30	30	6.5	18	14	---	105	321	224	90	71	43	25
31	26	---	17	14	---	103	---	198	---	64	41	---
TOTAL	686	617.5	557	487	619.4	2148	3247	8877	5006	2065	1798	989
MEAN	22.1	20.6	18.0	15.7	22.1	69.3	108	286	167	66.6	58.0	33.0
AC-FT	1360	1220	1100	966	1230	4260	6440	17610	9930	4100	3570	1960
MAX	39	27	24	20	29	131	321	350	245	95	96	47
MIN	17	6.5	13	12	7.4	19	56	198	90	48	37	25

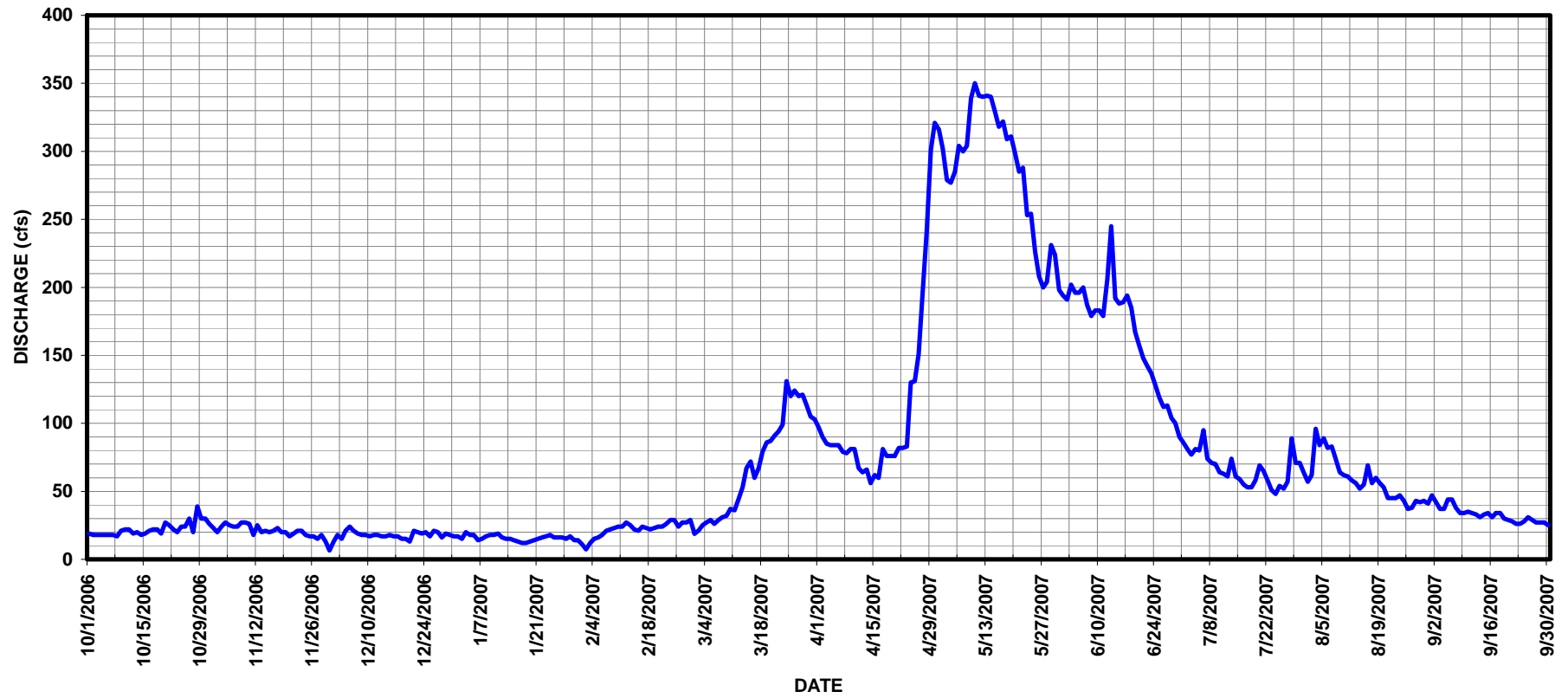
CAL YR	2006	TOTAL	7619.4	MEAN	20.9	MAX	186	MIN	6.2	AC-FT	15110
WTR YR	2007	TOTAL	27096.9	MEAN	74.2	MAX	350	MIN	6.5	AC-FT	53750

MAX DISCH: 376 CFS AT 05:45 ON May. 10, 2007 GH 7.43 FT. SHIFT -0.09 FT.

MAX GH: 7.51 FT. (GH CORR. = -0.10 FT.) AT 03:30 ON May. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06710500 BEAR CREEK AT MORRISON CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06711500 BEAR CREEK AT MOUTH, AT SHERIDAN, CO

LOCATION.--Lat 39°39'09", long 105°01'59", in NW¼NW¼ sec. 5, T,5 S., R.68 W., Arapahoe County, Hydrologic Unit 10190002 on left bank just downstream from bridge on South Lowell Blvd., at Highway Department maintenance building at northwest city limits of Sheridan, 1.3 mi upstream from mouth, and 2.1 mi west of city hall in Englewood.

DRAINAGE AREA AND PERIOD OF RECORD.--260 mi². April to Nov. 1914, March 1927 to current year. Monthly data only prior to Oct. 1933.

GAGE.--Stevens A-35 graphic stage recorder and Sutron 8210 DCP with digital shaft encoder and phone (speech card) modem in a 42-inch corrugated metal shelter and well.

REMARKS.--The primary record is hourly data from satellite with chart back-up. Hourly values were taken from the chart (due to missing DCP data) on the following days: July 26-27, 2007 and August 7, 2007. The data are complete and reliable, except for the following days: November 30, December 3-4, 20-22, 31, 2006, January 2, 6-7, January 28-30, February 1-4, 2007, due to ice effect; and, October 3, 16, November 7-13, 2006, when there was debris on the control. The record is rated as good, except for the following days, which are fair, November 30, December 3-4, 20-22, 31, 2006, January 2, 6-7, 2007, due to possible ice effect; January 28-30, February 1-4, 2007, which are estimated and poor, due to ice effect; and, October 3, 16, November 7-13, 2006, when there was debris on the control. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BCRSHECO32 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

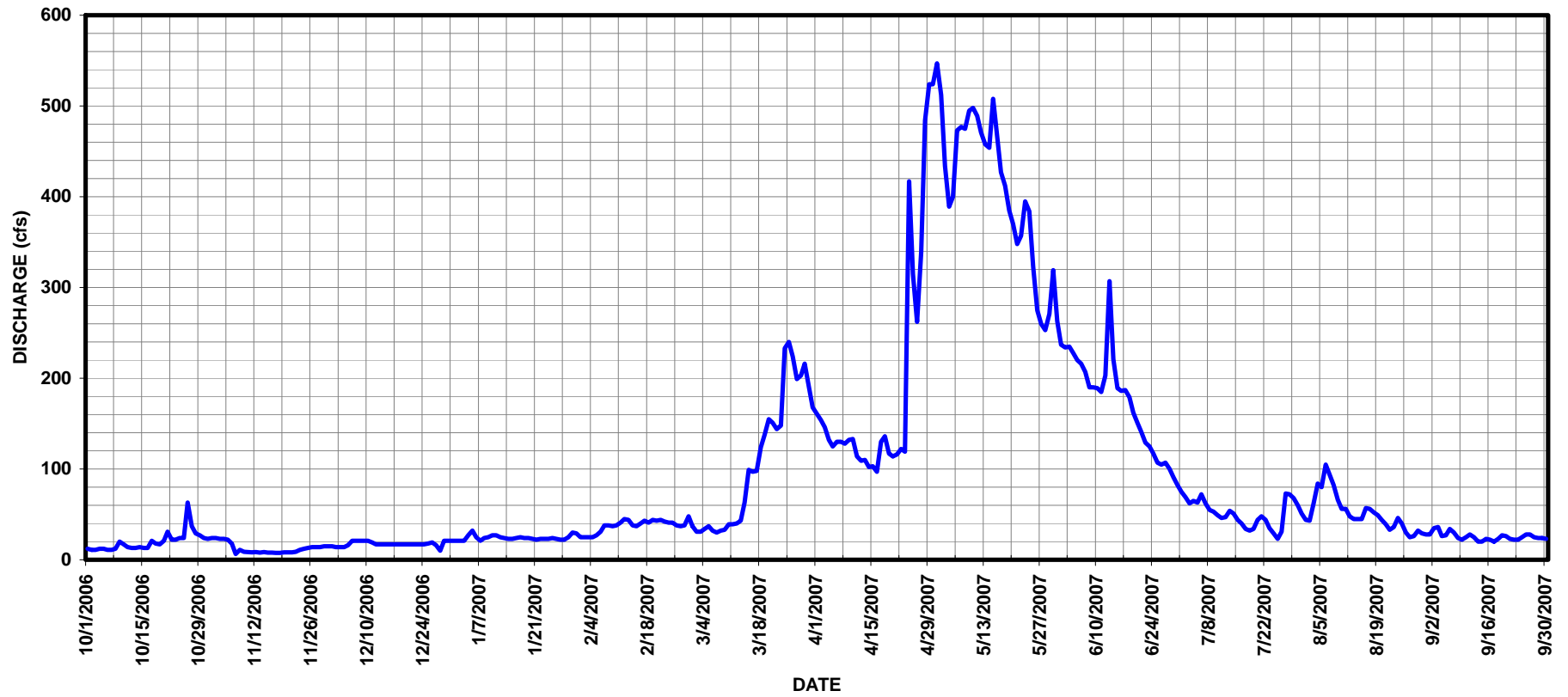
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	24	15	21	25	37	161	547	237	75	44	28
2	11	24	14	21	25	31	154	512	234	69	43	35
3	11	23	14	21	25	31	146	434	235	62	62	36
4	12	23	14	27	25	34	132	389	228	65	84	26
5	12	22	16	32	27	37	125	400	220	63	80	27
6	11	18	21	25	31	32	130	473	216	72	105	34
7	11	6.5	21	21	38	30	130	477	207	62	94	30
8	12	11	21	24	38	32	128	475	190	55	82	24
9	20	8.8	21	25	37	33	132	495	190	53	66	22
10	17	8.4	21	27	38	39	133	498	189	49	56	25
11	14	8.3	19	27	41	39	114	489	185	46	56	28
12	13	8.4	17	25	45	40	109	471	203	47	48	25
13	13	8.0	17	24	44	43	110	458	307	54	45	20
14	14	8.4	17	23	38	63	102	454	221	51	45	20
15	13	7.9	17	23	37	99	103	508	189	44	45	23
16	13	8.0	17	24	40	97	97	467	186	40	57	22
17	21	7.7	17	25	43	98	130	427	187	34	56	20
18	18	7.7	17	24	41	124	136	412	179	32	52	23
19	17	8.3	17	24	44	138	117	385	162	34	49	27
20	21	8.3	17	23	43	155	114	370	151	44	44	26
21	31	8.1	17	22	44	151	116	348	141	48	39	23
22	22	8.7	17	23	42	144	122	357	129	44	33	22
23	22	11	17	23	41	148	119	395	125	35	36	22
24	24	12	17	23	41	233	417	384	117	29	46	25
25	24	13	18	24	38	240	315	323	107	23	40	28
26	63	14	19	23	37	224	262	275	105	31	30	28
27	37	14	16	22	38	199	339	260	107	73	25	25
28	29	14	10	22	48	203	484	253	100	72	26	24
29	27	15	21	25	---	216	524	271	91	68	32	24
30	24	15	21	30	---	191	524	319	82	60	29	23
31	23	---	21	29	---	168	---	263	---	51	28	---
TOTAL	612	374.5	544	752	1054	3349	5725	12589	5220	1585	1577	765
MEAN	19.7	12.5	17.5	24.3	37.6	108	191	406	174	51.1	50.9	25.5
AC-FT	1210	743	1080	1490	2090	6640	11360	24970	10350	3140	3130	1520
MAX	63	24	21	32	48	240	524	547	307	75	105	36
MIN	11	6.5	10	21	25	30	97	253	82	23	25	20

CAL YR	2006	TOTAL	5541.7	MEAN	15.2	MAX	138	MIN	0.85	AC-FT	10990
WTR YR	2007	TOTAL	34146.5	MEAN	93.6	MAX	547	MIN	6.5	AC-FT	67730

MAX DISCH: 778 CFS AT 15:45 ON May. 1, 2007 GH 4.96 FT. SHIFT -0.03 FT.
MAX GH: 4.96 FT. AT 15:45 ON May. 1, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06711500 BEAR CREEK AT MOUTH AT SHERIDAN CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06714000 SOUTH PLATTE RIVER AT DENVER, CO

LOCATION.--Lat 39°45'35", long 105°00'10", in NW¼SE¼ sec. 28, T.3 S., R.68 W., Denver County, Hydrologic Unit 10190003, on right bank 90 ft Upstream from Nineteenth Street Bridge in Denver and 0.4 mi downstream from Cherry Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--3,861 mi². May 1889 to Oct. 1890 sporadic record. July 1895 to current year continuous. Monthly data only for some periods.

GAGE.--The shelter is 72 inch by 72 inch precast concrete structure with a 48-inch corrugated steel well. The station uses an electric drop tape, Sutron 8210 satellite telemetry with a phone modem interface (303-297-9505), a continuous chart recorder and a supplemental outside wire weight. A city water line is plumbed to the gage for flushing the inlets. The gage and chart recorder are maintained by DWR. The USGS Lakewood Field Office maintains the satellite equipment and phone interface for the USCOE.

REMARKS.--The primary record is fifteen minute data taken from satellite monitoring with chart backup. Daily maximum & minimum stages for the satellite record checked to within ±0.02 with the chart. The record is complete and reliable. The record is considered good, except for February 2, 2007 due to possible ice effect. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLADENCO33 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

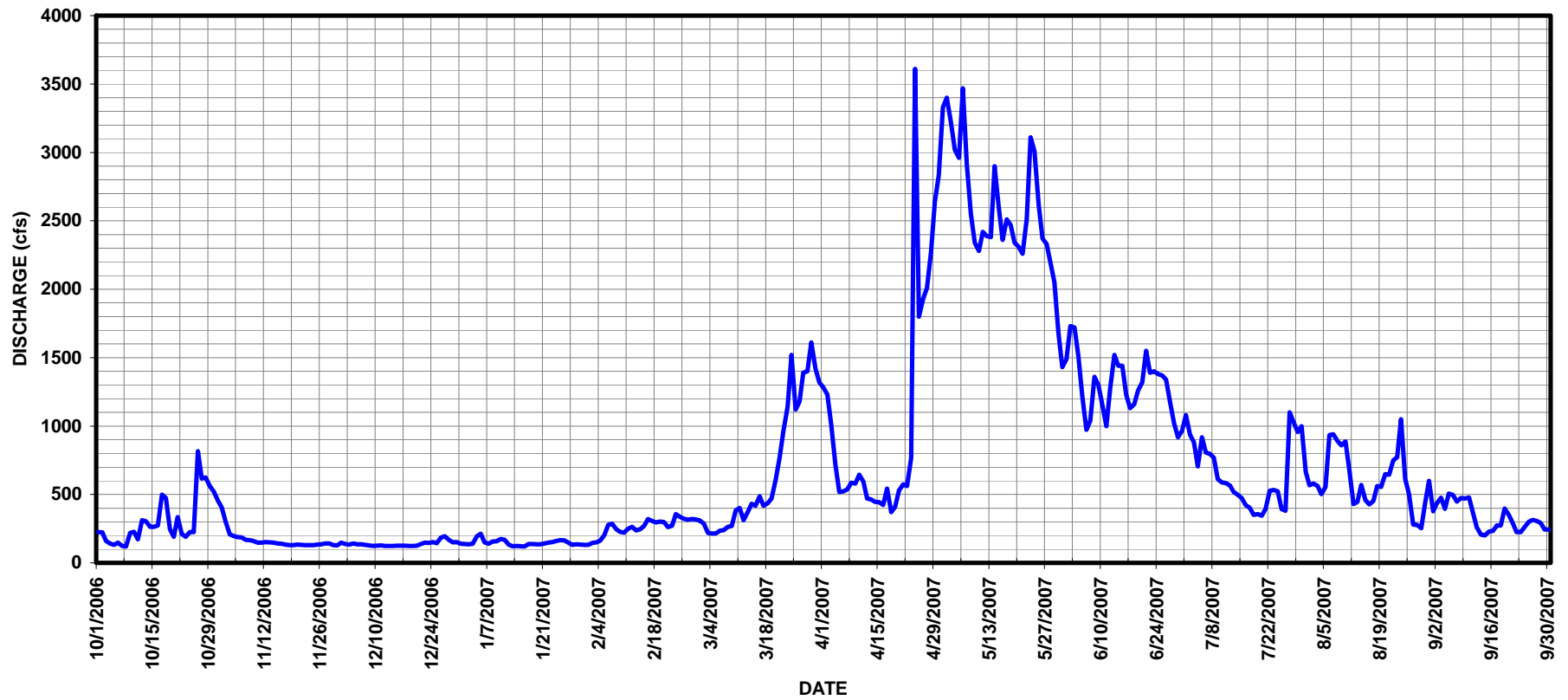
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	405	148	137	131	309	1280	3330	1490	1080	568	377
2	222	302	137	136	146	287	1230	3400	1730	937	579	436
3	160	208	134	139	150	219	1010	3220	1720	882	563	477
4	141	196	141	195	162	215	718	3020	1510	705	503	395
5	132	188	136	213	202	215	518	2960	1220	917	556	506
6	148	187	136	150	278	236	522	3470	972	807	934	497
7	124	168	131	140	286	239	537	2920	1040	796	940	447
8	119	166	128	156	247	263	586	2550	1360	768	892	474
9	218	161	124	159	226	270	580	2340	1300	612	859	471
10	227	148	126	175	220	382	645	2280	1160	588	888	478
11	172	147	127	170	250	401	594	2420	1000	584	677	366
12	312	152	123	134	264	313	471	2390	1280	566	430	260
13	304	150	124	121	237	371	465	2380	1520	516	445	206
14	264	147	123	123	245	431	446	2900	1440	496	570	201
15	264	141	126	121	270	417	443	2600	1440	472	458	228
16	273	140	126	119	321	486	424	2360	1230	421	427	234
17	499	133	126	137	306	417	544	2510	1130	403	451	271
18	475	130	124	137	295	436	371	2470	1160	351	562	274
19	248	129	123	135	302	470	409	2340	1260	357	555	398
20	191	134	125	136	297	607	529	2310	1320	344	649	350
21	335	131	137	141	262	768	574	2260	1550	394	645	291
22	210	130	147	147	271	967	562	2510	1390	527	750	224
23	190	130	146	151	357	1140	767	3110	1400	532	772	224
24	225	129	151	161	336	1520	3610	3010	1380	523	1050	261
25	225	133	144	166	323	1120	1800	2620	1370	394	613	299
26	817	136	184	165	316	1180	1930	2370	1340	380	501	314
27	615	141	195	148	321	1390	2010	2330	1180	1100	279	305
28	624	142	169	131	318	1400	2270	2190	1020	1030	278	291
29	561	130	150	135	---	1610	2640	2050	918	956	254	245
30	523	127	151	134	---	1420	2830	1680	967	999	438	244
31	455	---	140	132	---	1320	---	1430	---	666	599	---
TOTAL	9498	4861	4302	4544	7339	20819	31315	79730	38797	20103	18685	10044
MEAN	306	162	139	147	262	672	1044	2572	1293	648	603	335
AC-FT	18840	9640	8530	9010	14560	41290	62110	158100	76950	39870	37060	19920
MAX	817	405	195	213	357	1610	3610	3470	1730	1100	1050	506
MIN	119	127	123	119	131	215	371	1430	918	344	254	201
CAL YR 2006	TOTAL	83240	MEAN	228	MAX	1390	MIN	80	AC-FT	165100		
WTR YR 2007	TOTAL	250037	MEAN	685	MAX	3610	MIN	119	AC-FT	495900		

MAX DISCH: 7010 CFS AT 20:45 ON May. 14, 2007 GH 8.87 FT. SHIFT 0.19 FT.

MAX GH: 8.87 FT. AT 20:45 ON May. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06714000 SOUTH PLATTE RIVER AT DENVER CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

FALL RIVER AT THE MOUTH NEAR IDAHO SPRINGS, CO

LOCATION.--Lat 39°45'20", long 105°33'24", in SE1/4, Sec. 28, T.3 S., R.73W., Clear Creek County. Gage is located on right bank of bridge wall, off of I-70 and the Fall River Road Exit (238) approximately 20 ft. past Fall River Road.

DRAINAGE AREA AND PERIOD OF RECORD.--Not determined. Gage established July 2007 at present site and datum to monitor minimum stream flow reach and aid in the administration of water rights.

GAGE.--Sutron Satlink II High Data Rate (HDR) Data collection platform (DCP) with Acububbler stage sensor in a 12" x 30" x 36" NEMA shelter. Outside staff gage (on REW of bridge wall) in the stream bed is the primary reference. A single orifice line in 2" pipe extends from the shelter past the stream staff and into the stream at about a 90° angle to the flow. Orifice terminates in a gravel packed plastic muffler that is half buried in the stream bed. The DCP provides the primary record. There is no backup recording device. The Accububbler was replaced on Sept. 12, 2007.

REMARKS.--Primary and only record is hourly satellite data. This was the first year for the gage and the period of record is from July 17 - September 30, 2007. Record is complete and reliable, except for Aug 19 thru Sept 12, 2007, when the bubbler was not functioning properly. During this period, the bubbler was producing erratic 15 minute values ranging from very low to high values. Record is good, except for the period from Aug 19 thru Sept 12, 2007, when the bubbler was not functioning properly. This period is considered estimated and fair. Station maintained and record developed by Steve Barrett.

RATING TABLE.--FALIDACO01 USED FROM 17-JUL-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	19	31
2	---	---	---	---	---	---	---	---	---	---	21	31
3	---	---	---	---	---	---	---	---	---	---	21	30
4	---	---	---	---	---	---	---	---	---	---	21	31
5	---	---	---	---	---	---	---	---	---	---	19	31
6	---	---	---	---	---	---	---	---	---	---	20	30
7	---	---	---	---	---	---	---	---	---	---	20	28
8	---	---	---	---	---	---	---	---	---	---	19	28
9	---	---	---	---	---	---	---	---	---	---	18	26
10	---	---	---	---	---	---	---	---	---	---	18	26
11	---	---	---	---	---	---	---	---	---	---	17	25
12	---	---	---	---	---	---	---	---	---	---	17	26
13	---	---	---	---	---	---	---	---	---	---	17	28
14	---	---	---	---	---	---	---	---	---	---	17	26
15	---	---	---	---	---	---	---	---	---	---	16	26
16	---	---	---	---	---	---	---	---	---	---	16	25
17	---	---	---	---	---	---	---	---	---	28	15	26
18	---	---	---	---	---	---	---	---	---	29	16	23
19	---	---	---	---	---	---	---	---	---	29	16	16
20	---	---	---	---	---	---	---	---	---	26	14	15
21	---	---	---	---	---	---	---	---	---	25	18	13
22	---	---	---	---	---	---	---	---	---	26	27	11
23	---	---	---	---	---	---	---	---	---	24	27	9.9
24	---	---	---	---	---	---	---	---	---	24	25	12
25	---	---	---	---	---	---	---	---	---	25	23	15
26	---	---	---	---	---	---	---	---	---	24	22	14
27	---	---	---	---	---	---	---	---	---	29	25	18
28	---	---	---	---	---	---	---	---	---	28	31	18
29	---	---	---	---	---	---	---	---	---	24	31	18
30	---	---	---	---	---	---	---	---	---	22	31	18
31	---	---	---	---	---	---	---	---	---	20	31	---
TOTAL	---	---	---	---	---	---	---	---	---	383	648	674.9
MEAN	---	---	---	---	---	---	---	---	---	25.5	20.9	22.5
AC-FT	---	---	---	---	---	---	---	---	---	760	1290	1340
MAX	---	---	---	---	---	---	---	---	---	29	31	31
MIN	---	---	---	---	---	---	---	---	---	20	14	9.9

CAL YR 2006 No record for calendar year 2006

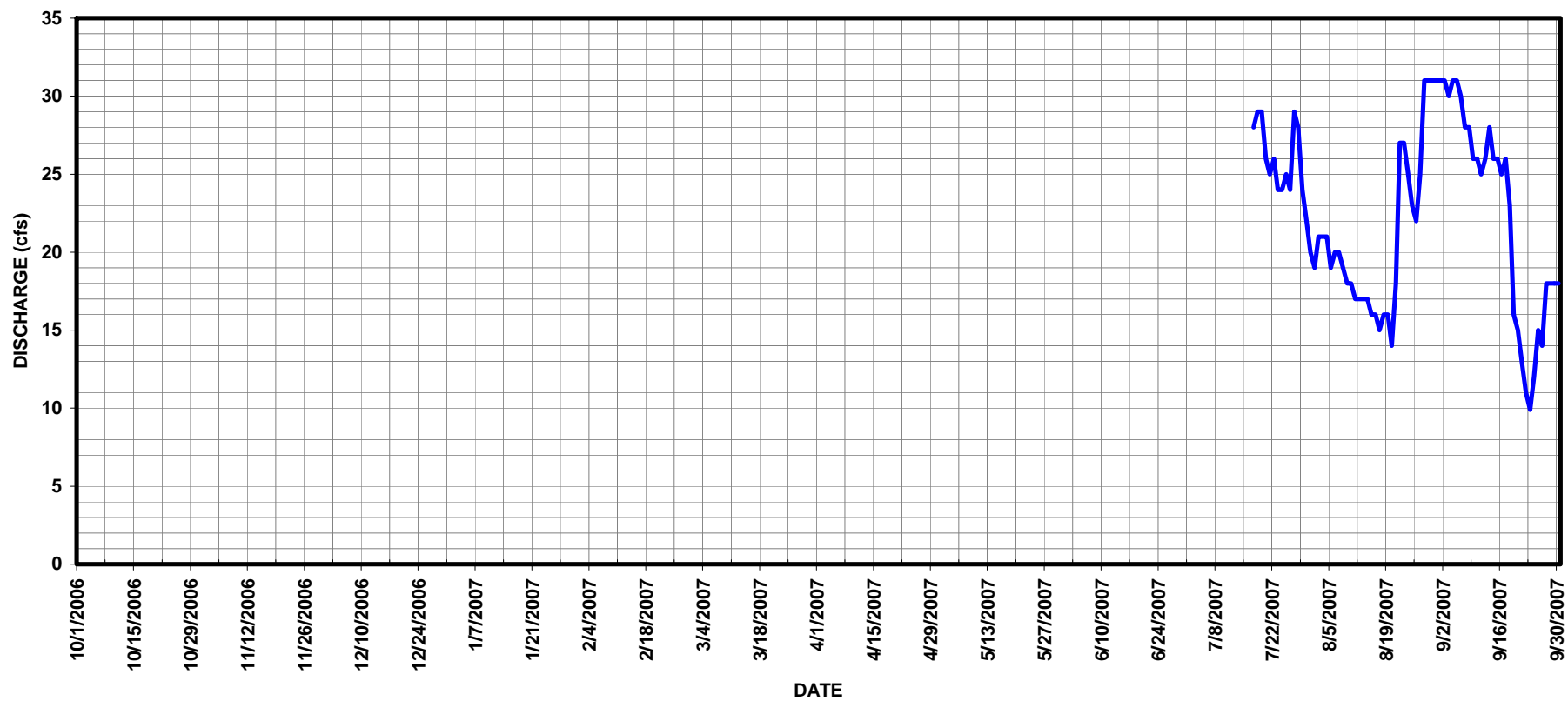
WTR YR 2007 TOTAL 1705.9 MEAN 22.4 MAX 31 MIN 9.9 AC-FT 3380 (PARTIAL YEAR RECORD)

MAX DISCH: 67 CFS AT 17:15 ON Jul. 27, 2007 GH 1.71 FT. SHIFT 0 FT.

MAX GH: 1.71 FT. AT 17:15 ON Jul. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

FALL RIVER AT THE MOUTH NEAR IDAHO SPRINGS CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

LOCATION.--Lat 39°49'39", long 104°57'21", in SW¼SW¼ sec. 36, T.2 S., R.68 W., Adams County, Hydrologic Unit 10190004, on right bank 975 ft downstream from York Street bridge, 0.5 mi upstream from mouth, and 2.5 mi west of Derby.

DRAINAGE AREA AND PERIOD OF RECORD.--575 mi²; April-Nov. 1914, 1927 to present.

GAGE.--Graphic water-stage recorder with satellite monitoring DCP with digital shaft encoder and Telemark in a 60 inch corrugated metal shelter and well. Station at this datum since June 26, 1992. Primary reference is by electric drop tape.

REMARKS.--The primary record is hourly satellite data and mean daily gage heights from the chart. Daily maximum and minimum stages for the satellite record checked to within ± 0.02 with the chart. The record is complete and reliable, except for the following periods: December 4-6, 2006, Feb 28, 2007, due to ice affecting the stage-discharge relationship; Jan. 25, Feb 3, 2007, due to floats frozen in ice in the well; and January 12-24, 26-31, February 1-2, 4-6, 2007, due to possible ice effect. The record is good, except for December 4-6, 2006, January 25, February 3, 28, 2007, which are estimated and poor due to ice; and January 12-24, 26-31, February 1-2, 4-6, 2007, which are fair due to indeterminate ice effects. Station maintained and record developed by Steve Barrett.

RATING TABLE.--CLEDERCO34 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	27	40	26	40	32	81	391	701	404	15	6.3
2	5.4	25	35	25	37	27	68	435	667	377	23	14
3	9.5	23	21	26	36	25	23	350	752	328	73	12
4	15	24	20	46	36	24	45	354	754	301	156	9.6
5	6.3	20	22	45	47	26	41	455	794	300	127	12
6	5.3	16	22	32	125	29	78	658	934	287	115	14
7	4.6	14	21	32	111	25	75	385	888	235	93	14
8	4.8	13	20	37	80	29	80	306	800	261	128	5.8
9	24	14	19	37	53	28	78	279	759	198	84	4.5
10	45	11	18	41	43	39	79	283	785	167	65	7.9
11	12	6.6	19	29	47	37	62	317	839	157	34	8.0
12	10	14	18	21	59	28	53	408	972	140	28	6.0
13	6.4	15	15	26	64	30	57	482	948	135	20	6.2
14	6.7	13	14	29	50	29	37	665	858	95	9.7	5.9
15	14	17	16	25	49	32	38	808	899	82	48	5.9
16	18	18	16	24	40	53	34	839	966	60	43	14
17	45	16	16	19	37	97	149	742	995	39	8.4	11
18	69	13	16	15	33	69	65	695	999	40	15	36
19	33	11	16	13	35	97	55	776	825	39	13	21
20	24	12	20	11	32	91	48	926	780	63	20	9.0
21	80	10	31	8.9	29	101	52	1010	715	39	7.7	6.6
22	40	9.3	28	8.4	28	111	62	1060	684	45	5.9	5.9
23	22	7.8	28	11	28	131	66	963	631	22	7.3	5.8
24	16	6.6	27	17	26	319	1000	816	584	7.9	201	38
25	8.3	6.6	25	25	25	174	477	635	551	9.1	32	57
26	238	6.7	47	29	25	144	154	564	567	8.1	12	15
27	100	8.5	51	36	27	126	133	549	597	213	7.5	16
28	70	16	39	32	28	127	110	656	528	245	32	20
29	47	24	36	31	---	198	124	1100	482	85	20	15
30	39	27	33	31	---	142	196	908	440	50	12	11
31	32	---	30	36	---	108	---	753	---	31	11	---
TOTAL	1055.6	445.1	779	824.3	1270	2528	3620	19568	22694	4463.1	1466.5	413.4
MEAN	34.1	14.8	25.1	26.6	45.4	81.5	121	631	756	144	47.3	13.8
AC-FT	2090	883	1550	1630	2520	5010	7180	38810	45010	8850	2910	820
MAX	238	27	51	46	125	319	1000	1100	999	404	201	57
MIN	4.6	6.6	14	8.4	25	24	23	279	440	7.9	5.9	4.5

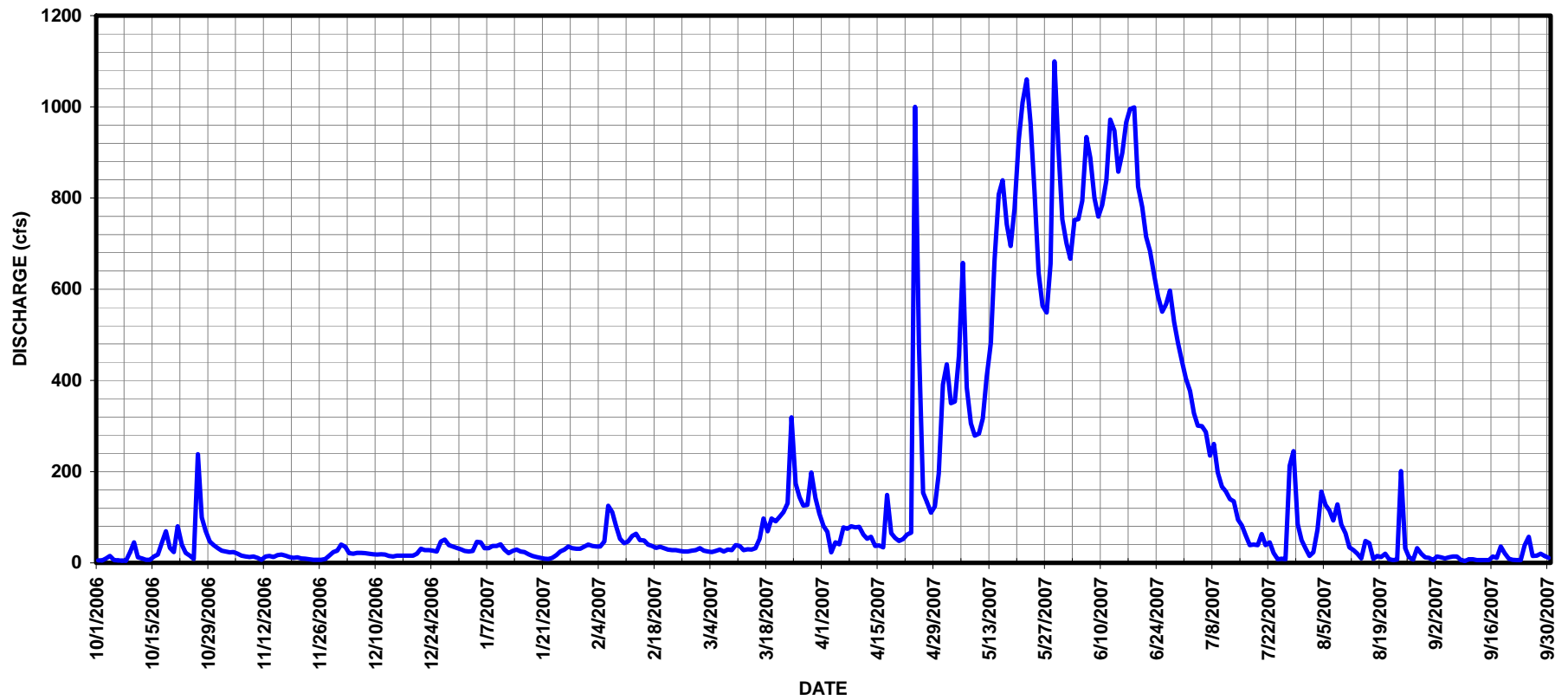
CAL YR	2006	TOTAL	19932.4	MEAN	54.6	MAX	536	MIN	4.6	AC-FT	39540
WTR YR	2007	TOTAL	59127	MEAN	162	MAX	1100	MIN	4.5	AC-FT	117300

MAX DISCH: 2110 CFS AT 15:45 ON May. 29, 2007 GH 3.92 FT. SHIFT -0.16 FT.

MAX GH: 3.92 FT. AT 15:45 ON May. 29, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06720000 CLEAR CREEK AT DERBY CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06720500 SOUTH PLATTE RIVER AT HENDERSON, CO

LOCATION --Lat 39°55'19", long 104°52'00", in SE¼NE¼ sec. 34, T.1 S., R.67 W., Adams County, Hydrologic Unit 10190003, on right bank 500 ft upstream from bridge on State Highway 22 and 0.2 mi northwest of Henderson.

PERIOD OF RECORD AND DRAINAGE AREA --4,768 mi². May 1926 to current year. Monthly data only prior to 1933. Periodic water quality data available starting in 1955.

GAGE --Water-stage recorder with satellite telemetry, shaft encoder and phone modem in a 42-inch metal pipe shelter with electric drop tape and outside wire weight as additional reference. Water quality instrumentation installed by other agencies. Datum of gage, formerly 4999.12 ft. MSL, (NAVD 1929), revised by survey to 5001.25 ft MSL (NAVD 1988).

REMARKS --The primary record is fifteen minute data taken from satellite monitoring with chart backup. The encoder remained in good calibration. The gage was visited 24 times and the encoder required no adjustments. The gage height record is complete. The record is complete and reliable. The new control has created a sand bar moving in the direction of the gage that has been causing the inlets to become buried. The extended pipe inlets are expected to mitigate this problem. Record is rated as good. Station maintained and record developed by Jana Ash.

RATING TABLE --PLAHENCO33 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	314	235	264	250	713	1410	3210	1980	1200	298	440
2	182	292	235	258	243	667	1390	3360	2180	1010	510	321
3	185	278	218	263	255	573	1160	3040	2260	915	656	515
4	201	272	215	314	269	540	789	2850	2070	711	471	352
5	186	336	269	404	303	550	577	2990	1750	867	599	346
6	180	421	225	329	436	560	596	3900	1690	767	1220	396
7	167	404	209	309	461	471	704	3170	1940	685	736	289
8	188	353	209	325	430	274	724	2650	1940	709	719	246
9	278	339	203	367	413	258	731	2390	1560	708	584	235
10	461	323	201	358	393	252	717	2250	1580	804	563	281
11	209	317	210	308	417	450	933	2320	1540	806	512	244
12	189	323	209	270	448	316	774	2340	1750	793	375	195
13	172	349	202	258	406	299	701	2430	2250	647	378	195
14	161	325	241	255	323	273	651	2920	1820	455	410	199
15	159	319	354	265	320	266	455	4140	1770	418	587	200
16	169	305	386	253	311	294	421	3060	1690	405	613	199
17	228	303	393	263	325	339	680	3040	1580	412	375	228
18	479	294	401	260	345	302	415	2960	1680	392	514	251
19	278	298	401	256	374	325	356	2870	1620	427	485	246
20	247	280	410	260	422	401	356	2970	1610	517	589	234
21	358	191	394	251	382	558	403	3070	1860	481	443	218
22	286	184	417	245	449	1090	420	3490	1650	637	482	204
23	246	191	358	247	643	1310	472	3960	1570	608	568	198
24	215	167	316	259	707	1770	4300	4410	1500	582	1430	231
25	207	178	248	287	719	1400	3870	3480	1460	481	511	298
26	866	181	276	354	705	1210	2570	2930	1450	494	297	215
27	801	190	354	367	687	1430	2290	2790	1360	895	245	206
28	628	193	321	346	716	1500	2320	2790	1180	1860	254	208
29	460	209	291	310	---	1820	2430	3300	1050	762	246	199
30	374	217	278	256	---	1680	2610	2840	1020	618	232	191
31	333	---	282	256	---	1500	---	2160	---	376	422	---
TOTAL	9259	8346	8961	9017	12152	23391	36225	94080	50360	21442	16324	7780
MEAN	299	278	289	291	434	755	1208	3035	1679	692	527	259
AC-FT	18370	16550	17770	17890	24100	46400	71850	186600	99890	42530	32380	15430
MAX	866	421	417	404	719	1820	4300	4410	2260	1860	1430	515
MIN	159	167	201	245	243	252	356	2160	1020	376	232	191

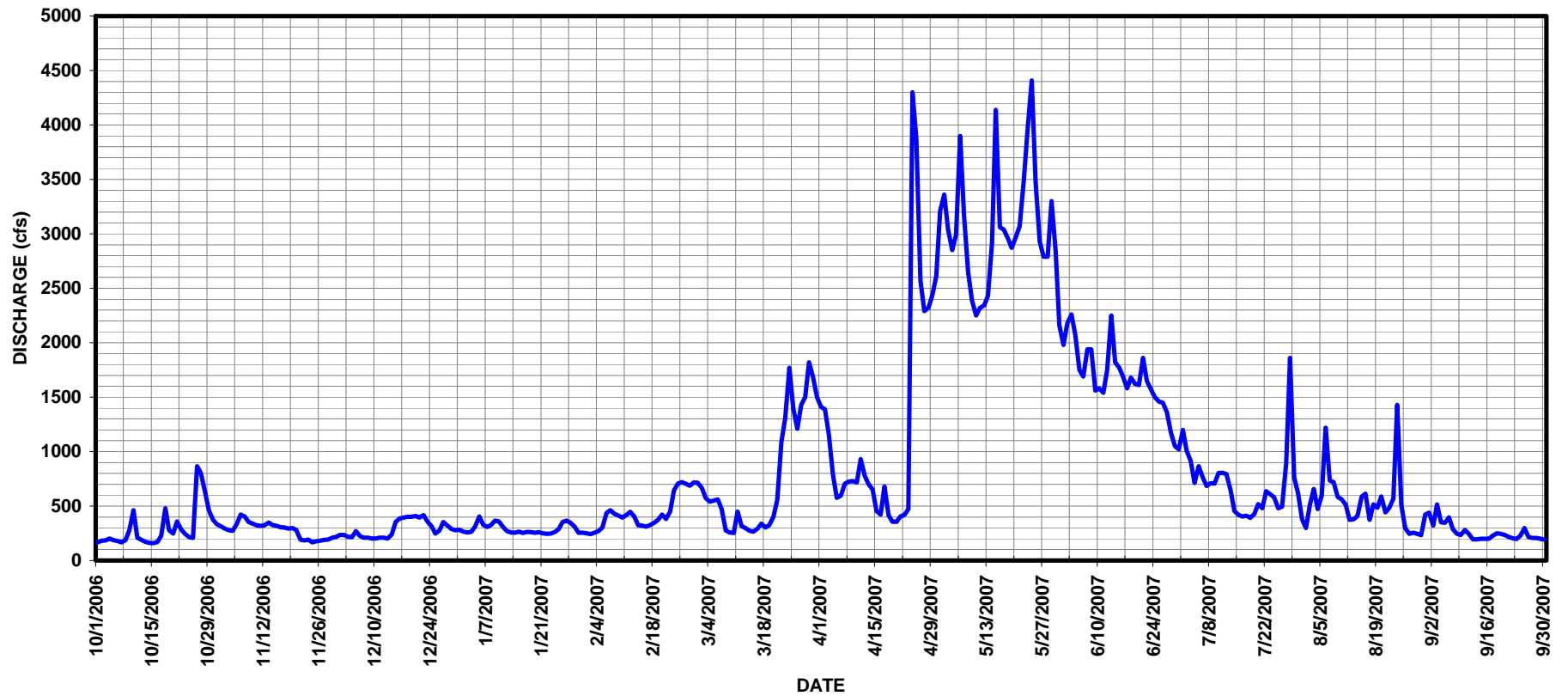
CAL YR	2006	TOTAL	122903	MEAN	337	MAX	2560	MIN	97	AC-FT	243780
WTR YR	2007	TOTAL	297337	MEAN	815	MAX	4410	MIN	159	AC-FT	589800

MAX DISCH: 8120 CFS AT 00:00 ON Apr. 25, 2007 GH 9.49 FT. SHIFT 0.07 FT.

MAX GH: 9.49 FT. AT 00:00 ON Apr. 25, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06720500 SOUTH PLATTE RIVER AT HENDERSON CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO

LOCATION.--Lat 40 07' 55", long 105 31' 00", NE1/4 NW1/4 Sec. 24, T.2 N., R.73 W.

PERIOD OF RECORD AND DRAINAGE AREA.--Gage established on May 14, 1998 by State of Colorado, Division of Water Resources personnel. The record at this gage is partial year record only.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP with shaft encoder in 48" diameter metal pipe shelter and well. DCP is the primary record with chart as a backup. The primary reference is a metal drop tape located in the shelter. Gage is not equipped with a supplemental outside staff gage.

REMARKS.--The primary record is hourly averages of 15-minute DCP data with chart as backup. The record is complete and reliable, except for the following periods: October 17-19; 21-23, 25-28, 2006, when the gage was affected by ice; October 30, 2006 to April 23, 2007, when the gage was off for winter. No gage-height information is available. Missing data from the primary data set were filled in with graphical chart record without loss of accuracy on the following days: August 1, 24, 25, 28, September 4, 5, 8, 18, 2007. The record is good, except as follows: October 17-19, 21-23, 25-28, 2006, when the stage-discharge relationship was affected by ice, record is estimated and poor; October 29, to April 23, 2007, gage closed for winter, no record is available; April 23, 2007 is estimated and fair because it is based on partial day record. Partial year record only, period of record for the 2007 Water Year is October 1- 30, 2006 and April 23 to September 30, 2007. Station maintained and record developed by Russell Stroud.

RATING TABLE.--MIDSTEC004 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

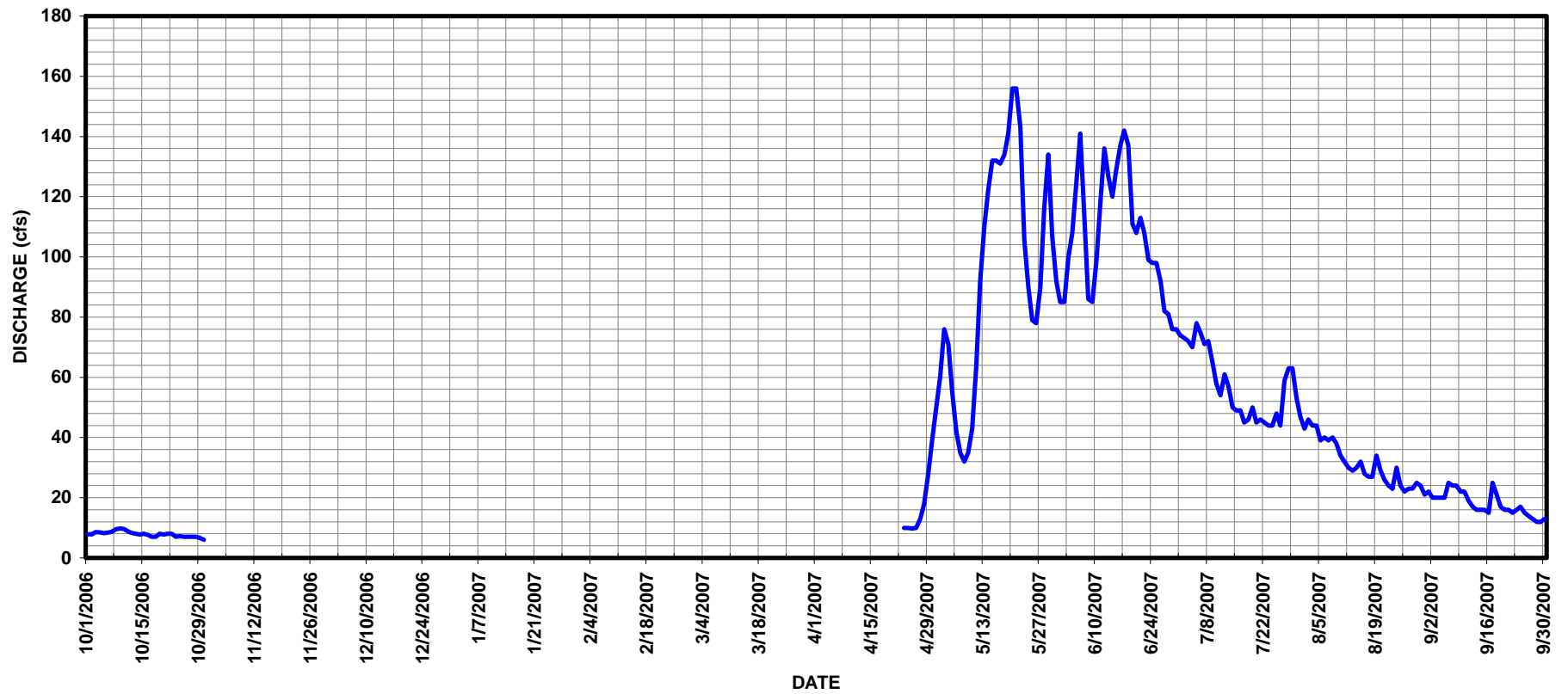
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	---	---	---	---	---	---	50	85	74	43	22
2	7.9	---	---	---	---	---	---	60	85	73	46	20
3	8.6	---	---	---	---	---	---	76	100	72	44	20
4	8.5	---	---	---	---	---	---	71	108	70	44	20
5	8.2	---	---	---	---	---	---	55	125	78	39	20
6	8.4	---	---	---	---	---	---	42	141	75	40	25
7	8.7	---	---	---	---	---	---	35	113	71	39	24
8	9.5	---	---	---	---	---	---	32	86	72	40	24
9	9.8	---	---	---	---	---	---	35	85	65	38	22
10	9.7	---	---	---	---	---	---	43	99	58	34	22
11	8.9	---	---	---	---	---	---	64	118	54	32	19
12	8.3	---	---	---	---	---	---	92	136	61	30	17
13	8.0	---	---	---	---	---	---	110	127	57	29	16
14	7.8	---	---	---	---	---	---	122	120	50	30	16
15	8.0	---	---	---	---	---	---	132	129	49	32	16
16	7.7	---	---	---	---	---	---	132	137	49	28	15
17	7.0	---	---	---	---	---	---	131	142	45	27	25
18	7.0	---	---	---	---	---	---	134	137	46	27	21
19	8.0	---	---	---	---	---	---	141	111	50	34	17
20	7.8	---	---	---	---	---	---	156	108	45	29	16
21	8.0	---	---	---	---	---	---	156	113	46	26	16
22	8.0	---	---	---	---	---	---	143	108	45	24	15
23	7.0	---	---	---	---	---	10	106	99	44	23	16
24	7.2	---	---	---	---	---	10	90	98	44	30	17
25	7.0	---	---	---	---	---	9.8	79	98	48	24	15
26	7.0	---	---	---	---	---	10	78	92	44	22	14
27	7.0	---	---	---	---	---	13	90	82	59	23	13
28	7.0	---	---	---	---	---	18	116	81	63	23	12
29	6.7	---	---	---	---	---	28	134	76	63	25	12
30	6.0	---	---	---	---	---	39	107	76	53	24	13
31	---	---	---	---	---	---	---	92	---	47	21	---
TOTAL	236.6	---	---	---	---	---	137.8	2904	3215	1770	970	540
MEAN	7.89	---	---	---	---	---	17.2	93.7	107	57.1	31.3	18.0
AC-FT	469	---	---	---	---	---	273	5760	6380	3510	1920	1070
MAX	9.8	---	---	---	---	---	39	156	142	78	46	25
MIN	6.0	---	---	---	---	---	9.8	32	76	44	21	12
CAL YR	2006	TOTAL	9903.5	MEAN	53.0	MAX	193	MIN	6	AC-FT	19640	(PARTIAL YEAR RECORD)
WTR YR	2007	TOTAL	9773.4	MEAN	51.2	MAX	156	MIN	6	AC-FT	19390	(PARTIAL YEAR RECORD)

MAX DISCH: 192 CFS AT 21:45 ON May. 21, 2007 GH 2.86 FT. SHIFT 0.01 FT.

MAX GH: 2.86 FT. AT 21:45 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

SOUTH ST. VRAIN CREEK NEAR WARD, CO

LOCATION.--Lat 40°05'27", long 105°30'50"

DRAINAGE AREA AND PERIOD OF RECORD.--14.4 mi²; 1925-27,28-31, 54-73, 1992 to present.

GAGE.--Graphic water-stage recorder and a high data rate data collection platform (DCP) with shaft encoder in 42-inch diameter corrugated metal pipe shelter and well. The primary reference gage is a brass nut reference point (RP) and metal drop tape located in the shelter. There is no supplementary outside staff gage equipped at this gage.

REMARKS.--The primary record is hourly averages of 15-minute DCP data with chart as backup. Record is complete and reliable, except for the following periods: October 10, 11, 17-23, 2006 with the stage-discharge relationship was affected by ice; October 26-30, 2006 when the gage was ice affected and the stilling well was frozen; October 30, 2006 to May 17, 2007 the gage was off for winter, no gage-height information available. Record is good, except for periods of no gage height and ice affected record, which are poor; discharge for May 17 is estimated and poor since it is based on partial day record. Flows on July 27-29, August 12-13, and August 27-September 7, 2007 are considered fair due to unexplained variations in the discharges between this gage and the Left Hand Ditch Diversion (LEFTHDCO) record during periods when closer agreement was expected. Partial year record only, period of record for the 2007 Water Year is October 1- 26, 2006 and May 17- September 30, 2007. Station maintained and record developed by Russell Stroud.

RATING TABLE.--SSVWARCO11 USED FROM 01-OCT-2006 TO 30-SEPT-2007

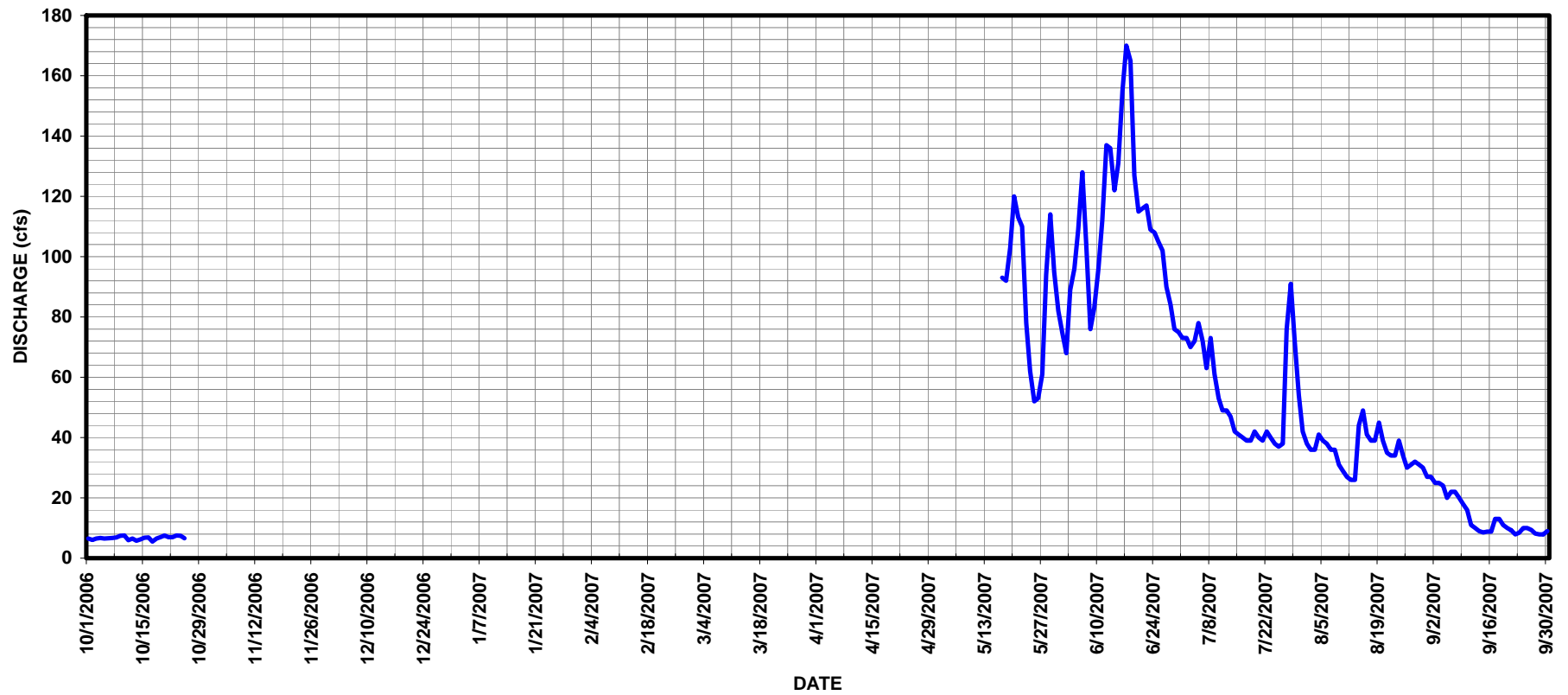
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	---	---	---	---	---	---	---	75	73	38	27
2	6.1	---	---	---	---	---	---	---	68	73	36	25
3	6.5	---	---	---	---	---	---	---	89	70	36	25
4	6.7	---	---	---	---	---	---	---	96	72	41	24
5	6.5	---	---	---	---	---	---	---	109	78	39	20
6	6.6	---	---	---	---	---	---	---	128	72	38	22
7	6.7	---	---	---	---	---	---	---	104	63	36	22
8	6.9	---	---	---	---	---	---	---	76	73	36	20
9	7.4	---	---	---	---	---	---	---	83	61	31	18
10	7.5	---	---	---	---	---	---	---	96	53	29	16
11	6.0	---	---	---	---	---	---	---	112	49	27	11
12	6.5	---	---	---	---	---	---	---	137	49	26	10
13	5.8	---	---	---	---	---	---	---	136	47	26	9.0
14	6.2	---	---	---	---	---	---	---	122	42	44	8.5
15	6.8	---	---	---	---	---	---	---	131	41	49	8.8
16	6.9	---	---	---	---	---	---	---	155	40	41	8.8
17	5.5	---	---	---	---	---	---	93	170	39	39	13
18	6.5	---	---	---	---	---	---	92	165	39	39	13
19	7.0	---	---	---	---	---	---	103	127	42	45	11
20	7.5	---	---	---	---	---	---	120	115	40	39	10
21	7.0	---	---	---	---	---	---	113	116	39	35	9.3
22	7.0	---	---	---	---	---	---	110	117	42	34	7.9
23	7.5	---	---	---	---	---	---	78	109	40	34	8.4
24	7.4	---	---	---	---	---	---	62	108	38	39	10
25	6.6	---	---	---	---	---	---	52	105	37	34	10
26	---	---	---	---	---	---	---	53	102	38	30	9.4
27	---	---	---	---	---	---	---	61	90	76	31	8.2
28	---	---	---	---	---	---	---	94	84	91	32	7.9
29	---	---	---	---	---	---	---	114	76	72	31	7.9
30	---	---	---	---	---	---	---	95	75	54	30	9.0
31	---	---	---	---	---	---	---	82	---	42	27	---
TOTAL	167.6	---	---	---	---	---	---	1322	3276	1685	1092	410.1
MEAN	6.70	---	---	---	---	---	---	88.1	109	54.4	35.2	13.7
AC-FT	332	---	---	---	---	---	---	2620	6500	3340	2170	813
MAX	7.5	---	---	---	---	---	---	120	170	91	49	27
MIN	5.5	---	---	---	---	---	---	52	68	37	26	7.9
CAL YR 2006	TOTAL	8345.3	MEAN	45.9	MAX	198	MIN	5.5	AC-FT	16550	(PARTIAL YEAR RECORD)	
WTR YR 2007	TOTAL	7952.7	MEAN	49.1	MAX	170	MIN	5.5	AC-FT	15770	(PARTIAL YEAR RECORD)	

MAX DISCH: 193 CFS AT 23:00 ON Jun. 17, 2007 GH 2.8 FT. SHIFT 0.03 FT.
MAX GH: 2.8 FT. AT 23:00 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SOUTH ST. VRAIN CREEK NEAR WARD CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD, CO

LOCATION.--Lat 40°05'29", long 105°30'31", the gage is located ½ mile downstream from gage on S. St. Vrain Creek off Highway 72.

PERIOD OF RECORD AND DRAINAGE AREA.--Established station on May 21, 1992 at request of Water Commissioner for administration of water rights in District 5, Div. 1. The gage is located one-quarter mile downstream from gage on South Saint Vrain Creek off Highway 72. This station is operated as a partial year record station usually from May to October.

GAGE.--Steven's type A continuous graphical water-stage recorder, satellite monitoring data collection platform (DCP) and incremental shaft encoder in a 42-inch corrugated metal pipe shelter with a 42-inch concrete well. The well is connected to the channel with two two-inch polyvinyl conduit (PVC) inlets. The PVC inlets are equipped with ball valves, street keys and flushing risers. An adjustable brass nut reference point with metal drop tape is the base gage. No supplemental staff is present.

REMARKS.--The primary record is hourly averages of 15-minute DCP data with chart as backup. Record is complete and reliable, except for the following periods: October 10, 11, 17-23, 2006 with the stage-discharge relationship was affected by ice; October 26-30, 2006 when the gage was ice affected and the stilling well was frozen; October 30, 2006 to May 18, 2007 the gage was off for winter, no gage-height information available. Record is good, except for periods of no gage height and ice affected record, which are poor; discharge for May 18 is estimated and poor since it is based on partial day record. Flows on July 27-29, August 12-13, and August 27-September 7, 2007 are considered fair due to unexplained variations in the discharges between this gage and the South St. Vrain nr. Ward (SSVWARCO) record during periods when closer agreement was expected. Partial year record only, period of record for the WY2007 is October 1-26, 2006 and May 18-September 30, 2007. Station maintained and record developed by Russell Stroud.

RATING TABLE.--LEFTHDCO03 USED FROM 01-OCT-2006 TO 30-SEPT-2007

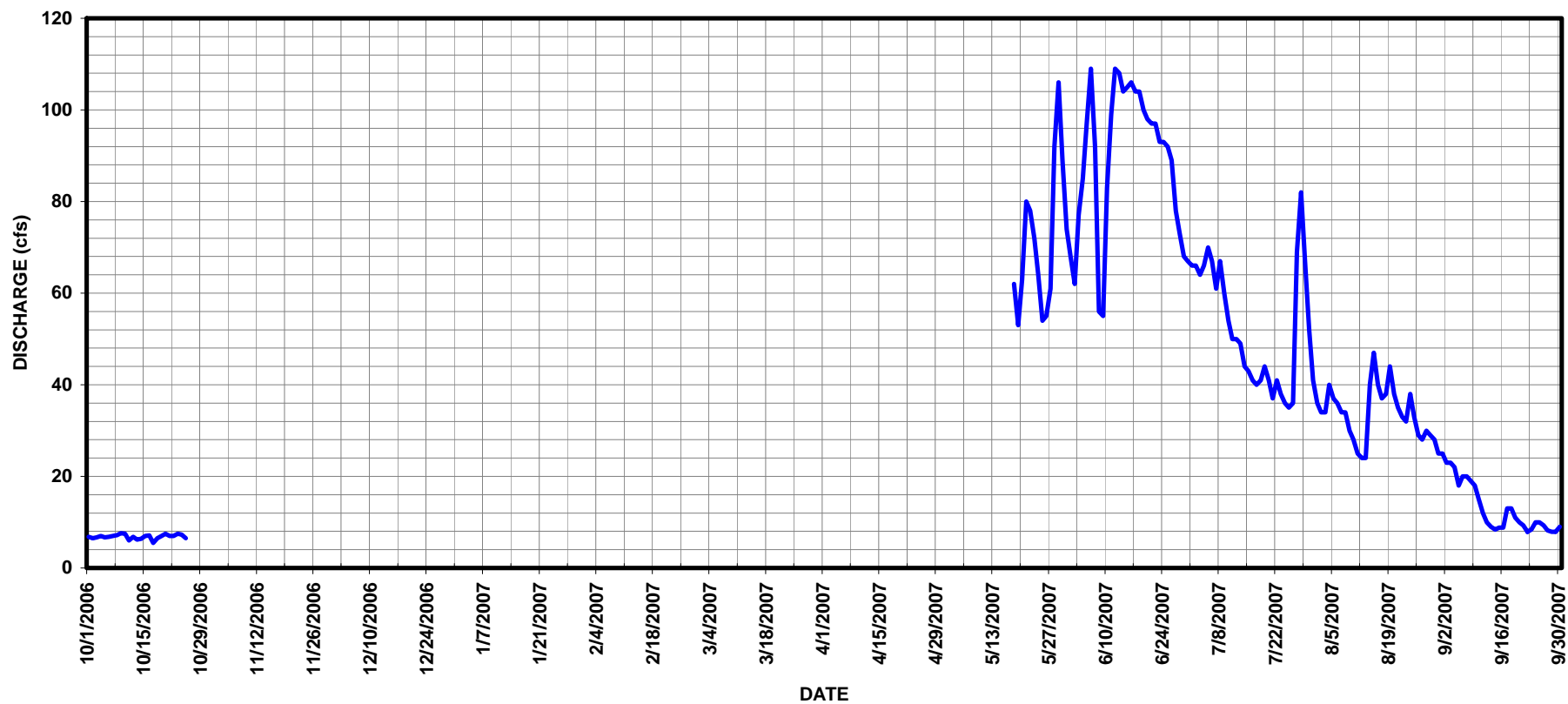
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	---	---	---	---	---	---	---	68	66	36	25
2	6.5	---	---	---	---	---	---	---	62	66	34	23
3	6.7	---	---	---	---	---	---	---	77	64	34	23
4	7.0	---	---	---	---	---	---	---	85	66	40	22
5	6.7	---	---	---	---	---	---	---	97	70	37	18
6	6.8	---	---	---	---	---	---	---	109	67	36	20
7	7.0	---	---	---	---	---	---	---	92	61	34	20
8	7.2	---	---	---	---	---	---	---	56	67	34	19
9	7.6	---	---	---	---	---	---	---	55	60	30	18
10	7.5	---	---	---	---	---	---	---	83	54	28	15
11	6.0	---	---	---	---	---	---	---	99	50	25	12
12	6.8	---	---	---	---	---	---	---	109	50	24	10
13	6.2	---	---	---	---	---	---	---	108	49	24	9.0
14	6.4	---	---	---	---	---	---	---	104	44	40	8.4
15	7.0	---	---	---	---	---	---	---	105	43	47	8.8
16	7.1	---	---	---	---	---	---	---	106	41	40	8.8
17	5.5	---	---	---	---	---	---	---	104	40	37	13
18	6.5	---	---	---	---	---	---	62	104	41	38	13
19	7.0	---	---	---	---	---	---	53	100	44	44	11
20	7.5	---	---	---	---	---	---	63	98	41	38	10
21	7.0	---	---	---	---	---	---	80	97	37	35	9.3
22	7.0	---	---	---	---	---	---	78	97	41	33	7.9
23	7.5	---	---	---	---	---	---	72	93	38	32	8.4
24	7.3	---	---	---	---	---	---	64	93	36	38	10
25	6.5	---	---	---	---	---	---	54	92	35	33	10
26	---	---	---	---	---	---	---	55	89	36	29	9.3
27	---	---	---	---	---	---	---	61	78	69	28	8.2
28	---	---	---	---	---	---	---	92	73	82	30	7.9
29	---	---	---	---	---	---	---	106	68	67	29	7.9
30	---	---	---	---	---	---	---	89	67	52	28	9.0
31	---	---	---	---	---	---	---	74	---	41	25	---
TOTAL	171.1	---	---	---	---	---	---	1003	2668	1618	1040	394.9
MEAN	6.84	---	---	---	---	---	---	71.6	88.9	52.2	33.5	13.2
AC-FT	339	---	---	---	---	---	---	1990	5290	3210	2060	783
MAX	7.6	---	---	---	---	---	---	106	109	82	47	25
MIN	5.5	---	---	---	---	---	---	53	55	35	24	7.9
CAL YR 2006	TOTAL	8837.1	MEAN	45.8	MAX	152	MIN	5.5	AC-FT	16540	(PARTIAL YEAR RECORD)	
WTR YR 2007	TOTAL	6895	MEAN	42.8	MAX	109	MIN	5.5	AC-FT	13680	(PARTIAL YEAR RECORD)	

MAX DISCH: 115 CFS AT 22:00 ON Jun. 12, 2007 GH 2.07 FT. SHIFT 0.03 FT.
MAX GH: 2.07 FT. AT 22:00 ON Jun. 12, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06724000 ST. VRAIN CREEK AT LYONS, CO

LOCATION.--Lat 40°13'05", long 105°15'34", in NW¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County, Hydrologic Unit 10190005, on left bank 75 ft southwest of U.S. Highway 36 (State Highways 7 and 66) at southeast edge of Lyons, 400 ft upstream from St. Vrain Supply Canal, and 0.4 mi downstream from confluence of North and South St. Vrain Creeks.

DRAINAGE AREA AND PERIOD OF RECORD.--212 mi². Aug. 1887 to Sep. 1891, June 1895 to current year. Monthly only data for some periods. Water quality data available from Oct. 1977 to Feb. 1981. On March 23, 2003, the gage was moved approximately 0.2 mi upstream. In the new location, the gage is above the Supply Ditch diversion, whereas the old location was below this diversion.

GAGE.--Graphic water stage recorder and satellite monitoring DCP and shaft encoder in a 6' by 6' wooden shelter with 42-inch concrete stilling well upstream of a low head concrete diversion dam. Primary reference is an electric drop tape with an outside chain gage as backup.

REMARKS.--Primary record is hourly averages of 15-minute data taken from satellite monitoring with chart back up. The record is complete and reliable, except for the following periods: October 31, November 1-3, 11, 13, 15, 19-21, 27-30, December 1, 2006, when the stilling well or inlets were frozen; March 2-4, 2007, when the stage-discharge relationship was affected by ice; December 1, 2006 to March 2, 2007, when the station was closed for winter. Chart record was used to fill in missing portions of the primary record without loss of accuracy on the following days: October 26, 2006; April 1, August 24, 2007. The record is good, except for periods of no gage height or ice affected record, which are estimated and poor. Station maintained and record developed by Russell Stroud.

RATING TABLE.--SVCLYOCO24 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	16	10	12	9.0	35	122	231	260	211	123	40
2	27	20	11	14	9.0	34	113	235	242	221	123	40
3	31	20	12	15	10	34	121	247	263	218	134	39
4	31	22	12	16	11	32	133	240	265	212	126	39
5	32	15	13	13	11	31	142	222	248	208	113	38
6	32	12	13	11	12	33	145	191	258	212	109	45
7	32	14	13	12	14	34	139	167	249	199	104	51
8	33	20	14	13	16	34	139	169	264	201	118	49
9	37	19	14	16	16	35	134	188	420	191	106	46
10	39	20	12	16	14	36	132	211	231	175	100	47
11	37	15	12	13	13	37	127	235	303	165	90	45
12	30	13	11	10	13	40	132	309	393	159	83	38
13	28	10	12	9.0	10	46	156	350	428	166	79	34
14	27	15	14	8.0	8.0	53	152	351	384	150	76	31
15	28	10	15	8.0	8.0	59	152	314	393	160	87	31
16	22	13	12	9.0	9.0	56	153	329	437	152	83	29
17	20	15	11	11	17	59	138	354	451	144	73	33
18	29	9.0	10	11	20	65	113	364	483	135	66	53
19	21	10	10	10	24	69	109	406	381	143	84	39
20	22	12	10	11	26	73	90	435	335	142	78	36
21	29	14	9.0	11	27	74	92	432	339	134	64	32
22	25	14	9.0	10	27	73	91	439	342	134	56	27
23	20	15	10	11	27	77	93	369	315	128	50	26
24	17	15	11	12	28	119	111	341	308	128	57	45
25	15	13	11	13	29	135	133	307	305	126	52	40
26	32	12	11	14	30	136	160	276	293	130	47	43
27	27	12	12	13	30	128	183	261	262	166	44	34
28	32	10	12	10	31	123	202	281	252	178	47	30
29	25	10	10	11	---	117	211	334	234	169	51	25
30	23	10	10	11	---	114	225	328	221	164	46	26
31	14	---	12	11	---	128	---	289	---	150	42	---
TOTAL	837	425.0	358.0	365.0	499.0	2119	4143	9205	9559	5171	2511	1131
MEAN	27.0	14.2	11.5	11.8	17.8	68.4	138	297	319	167	81.0	37.7
AC-FT	1660	843	710	724	990	4200	8220	18260	18960	10260	4980	2240
MAX	39	22	15	16	31	136	225	439	483	221	134	53
MIN	14	9.0	9.0	8.0	8.0	31	90	167	221	126	42	25

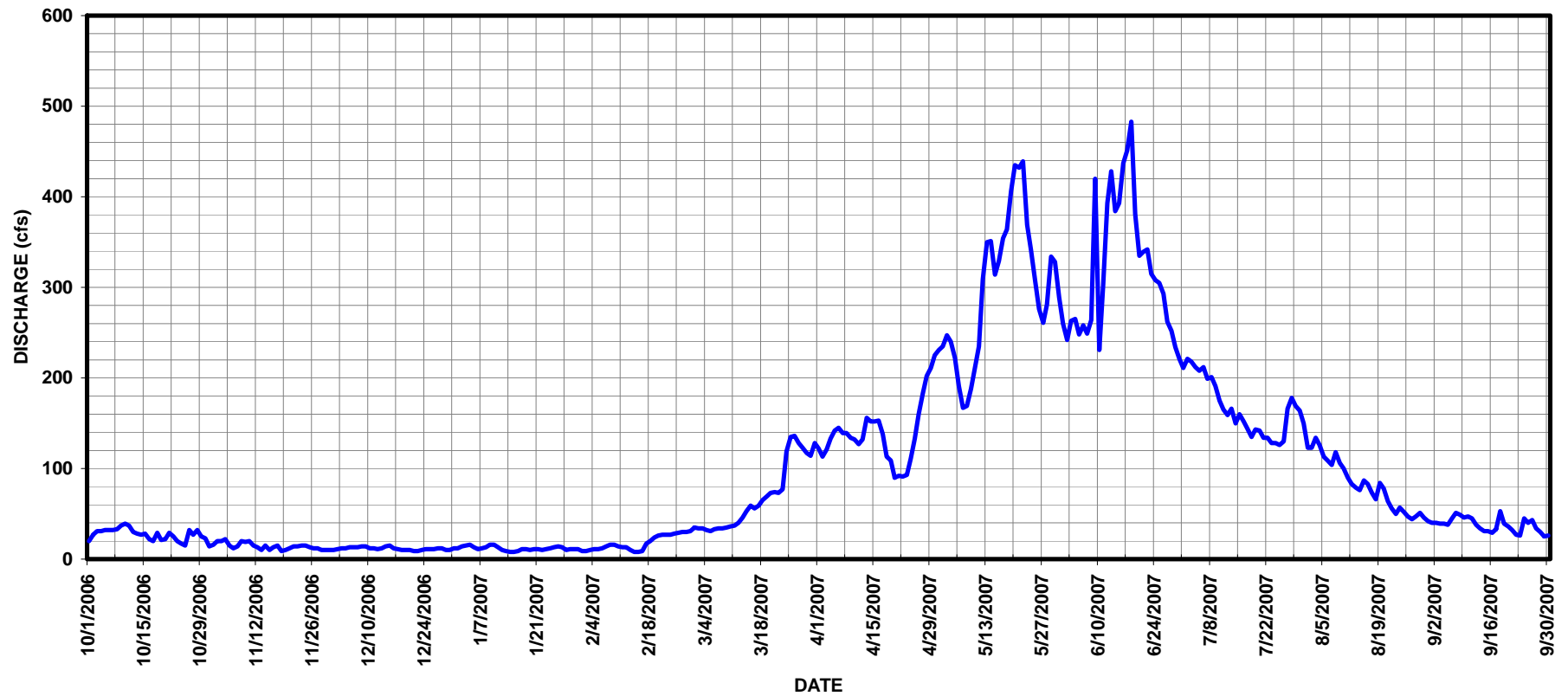
CAL YR	2006	TOTAL	31002	MEAN	84.9	MAX	618	MIN	9	AC-FT	61490
WTR YR	2007	TOTAL	36323	MEAN	99.5	MAX	483	MIN	8	AC-FT	72050

MAX DISCH: 525 CFS AT 10:30 ON Jun. 18, 2007 GH 2.65 FT. SHIFT 0.06 FT.

MAX GH: 2.65 FT. AT 10:30 ON Jun. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06724000 ST. VRAIN CREEK AT LYONS CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

LOCATION.--Lat 39°57'42", long 105°30'16", in NE¼SE¼ sec. 13, T.1 S., R.73 W., Boulder County, Hydrologic Unit 10190005, on left bank at Nederland just downstream from North Beaver Creek at inlet to Barker Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--36.2 mi²; June 1907 to present.

GAGE.--Water-stage recorder and data collection platform in wooden shelter with concrete well at a compound sharp-crested weir. DCP is the primary record with chart recorder as backup.

REMARKS.--Record is complete and reliable, except for the following periods: November 26-30, December 1-31, 2006, January 1-31, February 1-28, March 1-12, 2007, when the stage-discharge relation was affected by ice on the weir and inlets freezing. The record is good, except during periods of ice affected record, which are estimated and poor. Flows above 200 cfs (GH = 2.14 ft.) are considered fair due to lack of definition of the stage-shift relationships at this gage height. The following days are considered fair: May 12-23 & 27-30, 2007, and June 4-6, 10-25, 2007. In the summer, tree limbs caught on the weir occasionally affect gage heights. Any debris or ice on the control would normally be cleared weekly by the City of Boulder operator, so any datum corrections for debris are only normally applied for short periods. Station maintained by City of Boulder and record developed by Steve Barrett.

RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.6	8.0	7.0	5.0	6.0	19	117	136	129	47	21
2	14	11	8.0	7.0	5.0	6.0	20	127	134	131	47	18
3	21	11	8.0	7.0	5.0	6.0	22	143	159	130	48	18
4	22	11	8.0	7.0	5.0	6.0	23	137	174	128	46	22
5	21	10	8.0	7.0	6.0	6.0	25	106	201	138	42	19
6	20	10	8.0	6.0	6.0	6.0	23	84	209	130	43	24
7	19	12	7.0	6.0	6.0	6.0	21	70	172	119	40	22
8	20	15	8.0	6.0	6.0	6.0	22	66	144	123	38	19
9	21	15	7.0	6.0	6.0	6.0	22	72	152	105	35	18
10	22	12	7.0	6.0	6.0	6.0	23	85	175	97	33	19
11	20	11	7.0	6.0	6.0	7.0	20	118	198	92	30	16
12	18	11	7.0	7.0	6.0	8.0	19	165	224	96	28	15
13	18	8.5	7.0	7.0	6.0	8.7	18	206	234	91	28	14
14	18	11	8.0	6.0	6.0	10	18	229	225	86	28	14
15	19	10	8.0	6.0	6.0	11	19	254	249	81	31	13
16	18	14	8.0	6.0	6.0	11	22	259	261	77	28	13
17	13	12	7.0	6.0	6.0	12	23	246	276	75	26	23
18	10	11	6.0	6.0	6.0	14	24	235	258	80	29	22
19	13	9.7	6.0	6.0	6.0	17	27	262	216	80	32	17
20	14	10	5.0	6.0	6.0	20	26	287	209	74	27	15
21	14	9.5	7.0	6.0	6.0	22	30	286	211	82	24	14
22	13	9.4	7.0	6.0	6.0	22	28	250	201	78	23	12
23	12	9.4	7.0	6.0	6.0	24	29	184	193	72	23	12
24	12	9.0	7.0	6.0	6.0	25	31	157	189	70	29	18
25	12	8.8	7.0	6.0	6.0	24	29	139	185	67	23	16
26	16	8.0	7.0	6.0	6.0	24	30	140	174	61	20	14
27	16	9.0	7.0	6.0	6.0	24	32	159	154	85	21	13
28	14	9.0	7.0	6.0	6.0	25	40	205	142	79	24	12
29	13	9.0	7.0	5.0	---	23	62	219	132	70	23	12
30	12	8.0	7.0	5.0	---	21	94	179	129	58	23	14
31	11	---	7.0	5.0	---	20	---	153	---	53	21	---
TOTAL	501	313.9	223.0	190.0	164.0	432.7	841	5339	5716	2837	960	499
MEAN	16.2	10.5	7.19	6.13	5.86	14.0	28.0	172	191	91.5	31.0	16.6
AC-FT	994	623	442	377	325	858	1670	10590	11340	5630	1900	990
MAX	22	15	8.0	7.0	6.0	25	94	287	276	138	48	24
MIN	10	8.0	5.0	5.0	5.0	6.0	18	66	129	53	20	12

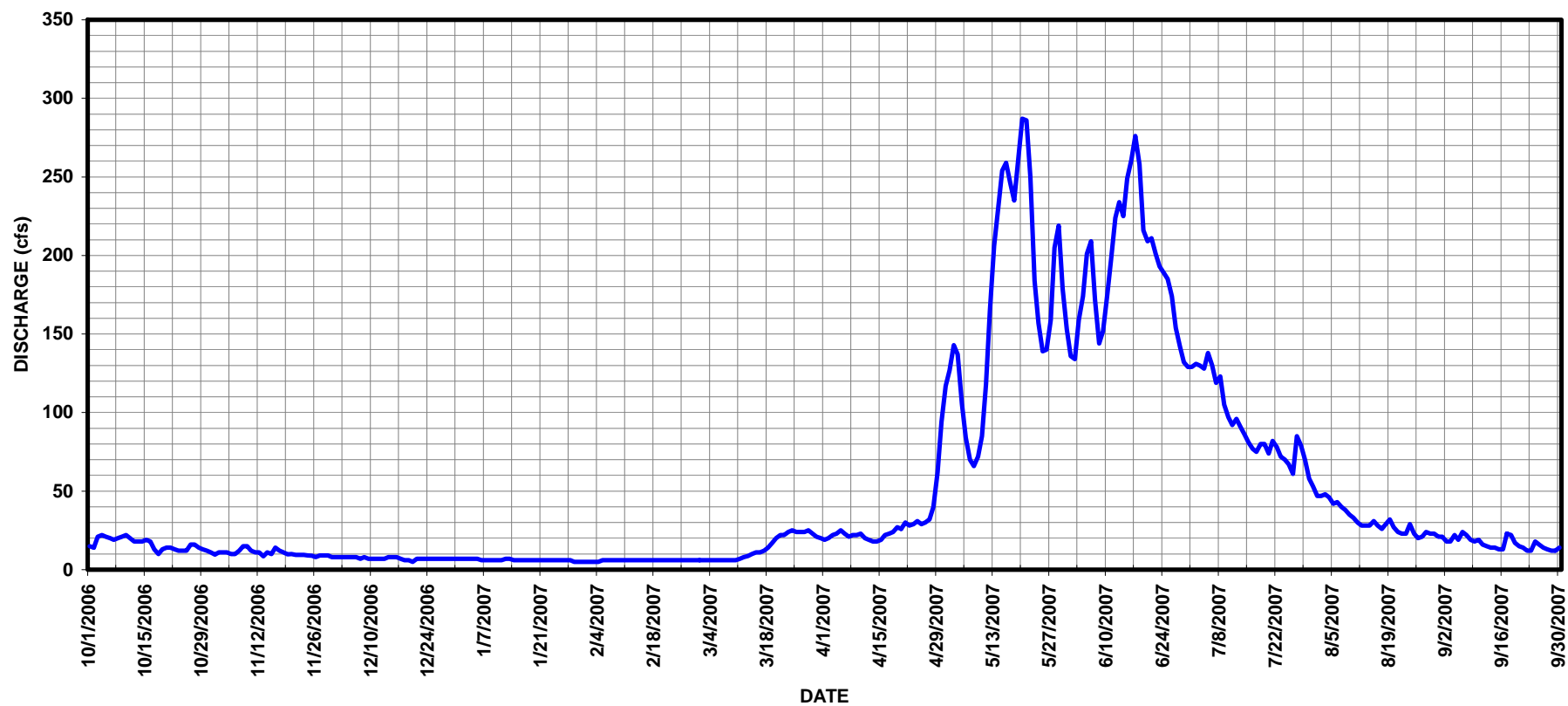
CAL YR 2006	TOTAL	18107	MEAN	49.6	MAX	317	MIN	5	AC-FT	35910
WTR YR 2007	TOTAL	18017	MEAN	49.4	MAX	287	MIN	5	AC-FT	35740

MAX DISCH: 346 CFS AT 22:00 ON May. 20, 2007 GH 2.71 FT. SHIFT 0.01 FT.

MAX GH: 2.71 FT. AT 22:00 ON May. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06725500 MIDDLE BOULDER CREEK AT NEDERLAND CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06727000 BOULDER CREEK NEAR ORODELL, CO

LOCATION.--Lat 40°00'23", long 105°19'50", in NE¼SW¼ sec. 34, T.1 N., R.71 W., Boulder County, Hydrologic Unit 10190005, on left bank along State Highway 119, 0.7 mi southwest of old Orodell, 1.1 mi upstream from Fourmile Creek, and 2.9 mi southwest of courthouse in Boulder.

DRAINAGE AREA AND PERIOD OF RECORD.--102 mi²; Oct. 1906 to present.

GAGE.--Stevens A35 graphic water-stage recorder and Sutron 8210 DCP with shaft encoder in a 6 ft by 6 ft exposed aggregate concrete shelter with a 54-inch corrugated metal well. The primary reference is a tape down from RP. There is an outside staff gage across the stream that reads approximately 1 foot lower than gage datum. The data collection platform (DCP) provides the primary record. The station now includes a pressure transducer installed by Urban Drainage and Flood Control District.

REMARKS.--Primary record is hourly averages of 15-minute satellite data, with graphic chart as backup. Record is complete and reliable, except for the winter period, December 5, 2006 through March 9, 2007, when the station was shut down. Record is good, except for the period December 5, 2006 to March 9, 2007, which is estimated and poor due to ice. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BOCOROCO14 USED FROM 01-OCT-2006 TO 30-SEPT-2007

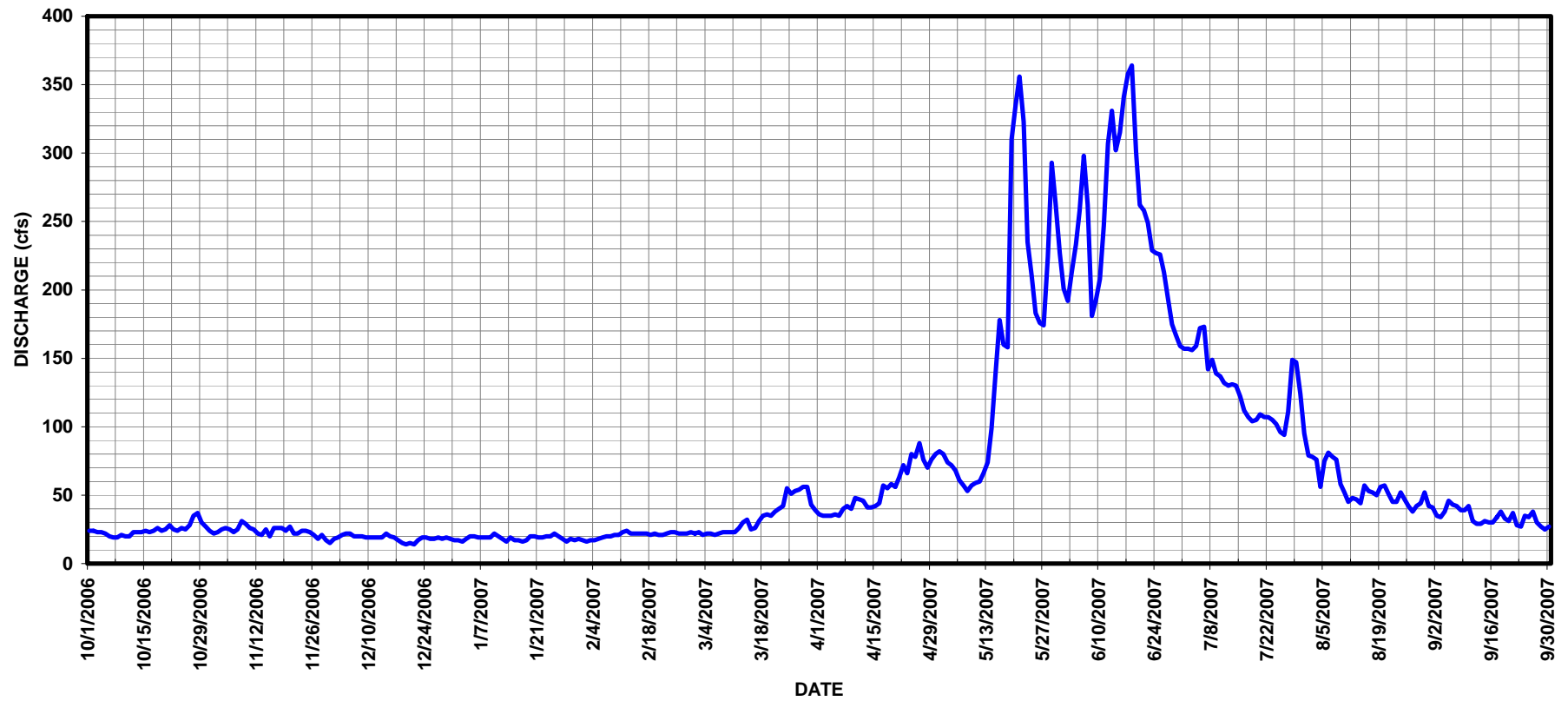
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	22	18	17	17	22	36	82	201	157	79	41
2	24	23	19	16	16	23	35	80	192	157	78	35
3	23	25	21	18	17	21	35	74	213	156	76	34
4	23	26	22	20	17	22	35	72	233	159	56	38
5	22	25	22	20	18	22	36	68	258	172	75	46
6	20	23	20	19	19	21	35	61	298	173	81	43
7	19	25	20	19	20	22	40	57	262	142	78	42
8	19	31	20	19	20	23	42	53	181	149	76	39
9	21	29	19	19	21	23	40	57	192	139	58	39
10	20	26	19	22	21	23	48	59	208	137	52	42
11	20	25	19	20	23	23	47	60	247	132	45	31
12	23	22	19	18	24	26	46	66	307	130	48	29
13	23	21	19	16	22	30	41	74	331	131	47	29
14	23	25	22	19	22	32	41	99	302	130	44	31
15	24	20	20	17	22	25	42	138	315	122	57	30
16	23	26	19	17	22	26	44	178	341	112	53	30
17	24	26	17	16	22	31	57	160	358	107	52	34
18	26	26	15	17	21	35	55	158	364	104	50	38
19	24	24	14	20	22	36	58	310	301	105	56	33
20	25	27	15	20	21	35	56	335	262	109	57	31
21	28	22	14	19	21	38	63	356	258	107	51	37
22	25	22	17	19	22	40	72	323	249	107	45	28
23	24	24	19	20	23	42	66	235	229	105	45	27
24	26	24	19	20	23	55	80	210	227	102	52	35
25	25	23	18	22	22	51	78	183	226	96	47	34
26	28	21	18	20	22	53	88	176	213	94	42	38
27	35	18	19	18	22	54	76	174	193	111	38	30
28	37	21	18	16	23	56	70	224	175	149	42	27
29	30	17	19	18	---	56	76	293	167	147	44	25
30	27	15	18	17	---	43	80	263	159	124	52	27
31	24	---	17	18	---	39	---	227	---	95	42	---
TOTAL	759	704	575	576	585	1048	1618	4905	7462	3960	1718	1023
MEAN	24.5	23.5	18.5	18.6	20.9	33.8	53.9	158	249	128	55.4	34.1
AC-FT	1510	1400	1140	1140	1160	2080	3210	9730	14800	7850	3410	2030
MAX	37	31	22	22	24	56	88	356	364	173	81	46
MIN	19	15	14	16	16	21	35	53	159	94	38	25
CAL YR 2006	TOTAL	23208	MEAN	63.6	MAX	592	MIN	7	AC-FT	46030		
WTR YR 2007	TOTAL	24933	MEAN	68.3	MAX	364	MIN	14	AC-FT	49450		

MAX DISCH: 408 CFS AT 02:30 ON Jun. 18, 2007 GH 3.17 FT. SHIFT -0.05 FT.
MAX GH: 3.17 FT. AT 02:30 ON Jun. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06727000 BOULDER CREEK NEAR ORODELL CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

BOULDER CREEK AT BOULDER, CO

LOCATION.--Lat 40° 00' 53", long 105° 16' 49", in SW SW Sec. 30, T.1N., R.70W., Boulder County, on right bank in Central Park, 1 block West of the Broadway St. Bridge over Boulder Creek. Gage is located where the center line from 11th St crosses Boulder Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; May 2004 to present.

GAGE.--Sutron 8210 Data collection platform (DCP) with Acububbler stage sensor in a 12"x30"x36" NEMA shelter. The primary reference is a staff gage placed on the right side of the channel slightly downstream from the shelter. A single orifice line in 2" pipe extends from the shelter past the stream staff and into the stream at about a 45° angle to the flow. Orifice terminates in a gravel pack plastic muffler that is buried in the stream bed.

REMARKS.--Primary and only record is taken from hourly satellite data. Record is complete and reliable, except January 26, 2007 (bad value), February 24, 2007 and June 26, 2007 (when the DCP missed transmissions). Point interpolation was used to estimate record during these periods. These periods are still considered good because only one to two hours were missed each day and these values were easily interpolated from neighboring values. Record is good, except for the periods: December 2-3, 2006, January 12-15, 31, and February 1-2, 14-15, 2007, which are considered fair due to an indeterminate amount of ice. The ice did not seem to affect the shifts during the winter, so the majority of the record is not affected by the ice that was present. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BOCOBOCO03 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	24	18	18	18	24	48	129	227	138	56	27
2	22	24	20	17	17	26	45	124	211	136	55	23
3	20	27	20	19	18	23	45	114	235	134	55	25
4	20	28	24	22	18	24	42	112	257	137	32	31
5	21	27	24	22	19	24	41	108	279	151	49	39
6	18	25	22	20	21	23	40	97	306	148	55	37
7	17	27	22	20	22	25	42	80	296	118	53	37
8	16	34	22	21	22	27	43	73	202	125	53	33
9	22	33	21	21	23	28	43	76	208	114	35	33
10	21	28	21	24	23	30	52	79	222	110	30	36
11	20	25	21	22	26	31	50	81	269	102	25	26
12	25	23	21	19	29	32	48	86	308	98	28	23
13	24	19	21	17	25	36	42	93	325	97	30	22
14	24	24	24	20	24	41	39	119	304	98	28	24
15	25	17	22	18	24	34	39	161	308	90	44	23
16	23	22	21	20	25	32	40	206	325	79	40	23
17	25	23	18	20	24	38	57	190	336	73	38	27
18	29	23	16	20	23	44	54	181	345	71	34	32
19	27	21	15	19	24	48	57	333	292	72	42	26
20	27	25	16	20	23	46	57	355	262	78	42	22
21	33	21	15	20	23	49	66	373	256	73	36	28
22	28	18	18	19	25	51	75	348	245	73	30	20
23	26	23	20	19	26	55	70	278	219	75	30	18
24	28	22	20	19	26	84	111	248	214	72	37	38
25	28	21	19	19	24	75	116	205	209	66	32	30
26	36	19	19	19	25	77	129	191	203	64	26	35
27	38	15	20	20	24	77	117	185	182	82	25	25
28	42	20	19	19	26	80	114	246	159	125	30	25
29	34	17	20	19	---	80	122	315	148	126	31	21
30	30	13	19	19	---	63	125	299	141	99	37	22
31	28	---	18	19	---	54	---	263	---	73	28	---
TOTAL	799	688	616	610	647	1381	1969	5748	7493	3097	1166	831
MEAN	25.8	22.9	19.9	19.7	23.1	44.5	65.6	185	250	99.9	37.6	27.7
AC-FT	1580	1360	1220	1210	1280	2740	3910	11400	14860	6140	2310	1650
MAX	42	34	24	24	29	84	129	373	345	151	56	39
MIN	16	13	15	17	17	23	39	73	141	64	25	18

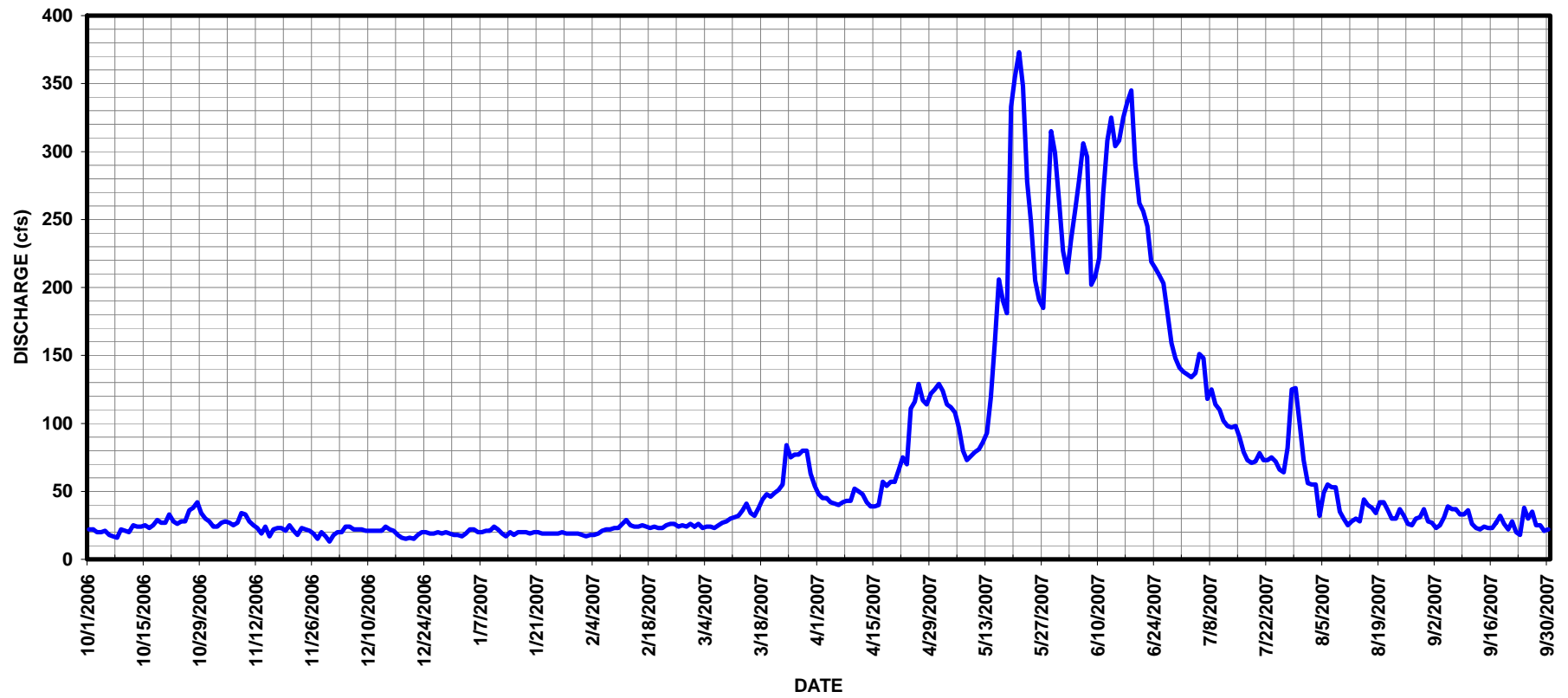
CAL YR	2006	TOTAL	21003.2	MEAN	57.5	MAX	516	MIN	7.3	AC-FT	41660
WTR YR	2007	TOTAL	25045	MEAN	68.6	MAX	373	MIN	13	AC-FT	49680

MAX DISCH: 400 CFS AT 03:00 ON May. 21, 2007 GH 3.29 FT. SHIFT -0.10 FT.

MAX GH: 3.29 FT. AT 03:00 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BOULDER CREEK AT BOULDER CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06729450 SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK, CO

LOCATION.--Lat 39°56'18", long 105°20'53", NW1/4 sec. 28, T.1 S., R.71 W., Boulder County. Measures releases from Gross Reservoir; which is filled by South Boulder Creek and transmountain diversions from Moffat Tunnel.

DRAINAGE AREA AND PERIOD OF RECORD.--92.8 sq. mi. East Slope drainage (Moffat Tunnel West Slope drainage not included); Oct. 1967 to present.

GAGE.--Graphic water stage recorder and satellite monitoring (Sutron Satlink) DCP with shaft encoder in concrete shelter and concrete well at 25' Parshall Flume with supplemental outside staff. The primary reference is an electric tape gage. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Primary record is hourly DCP data with chart back up. The record is complete and reliable. Chart record was used to fill in some hours of February 17, 2007, when the DCP experienced transmission errors. There was a short period of ice-affected record January 12-13, 15, 28 and February 1-3, 2007. Gage heights during this ice period were easily interpreted due to the constant release from the reservoir. Flow values during this ice period were assumed to be the same as before and after the ice period. The record is rated good, except for periods when the flow was below 15 cfs and ice-affect days which are considered fair. The following days are rated fair: October 11-18, December 12-31, and January 1-23, 28, and February 1-3, 2007, due to low flows or ice. Station maintained by Denver Water and record developed by Steve Barrett.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

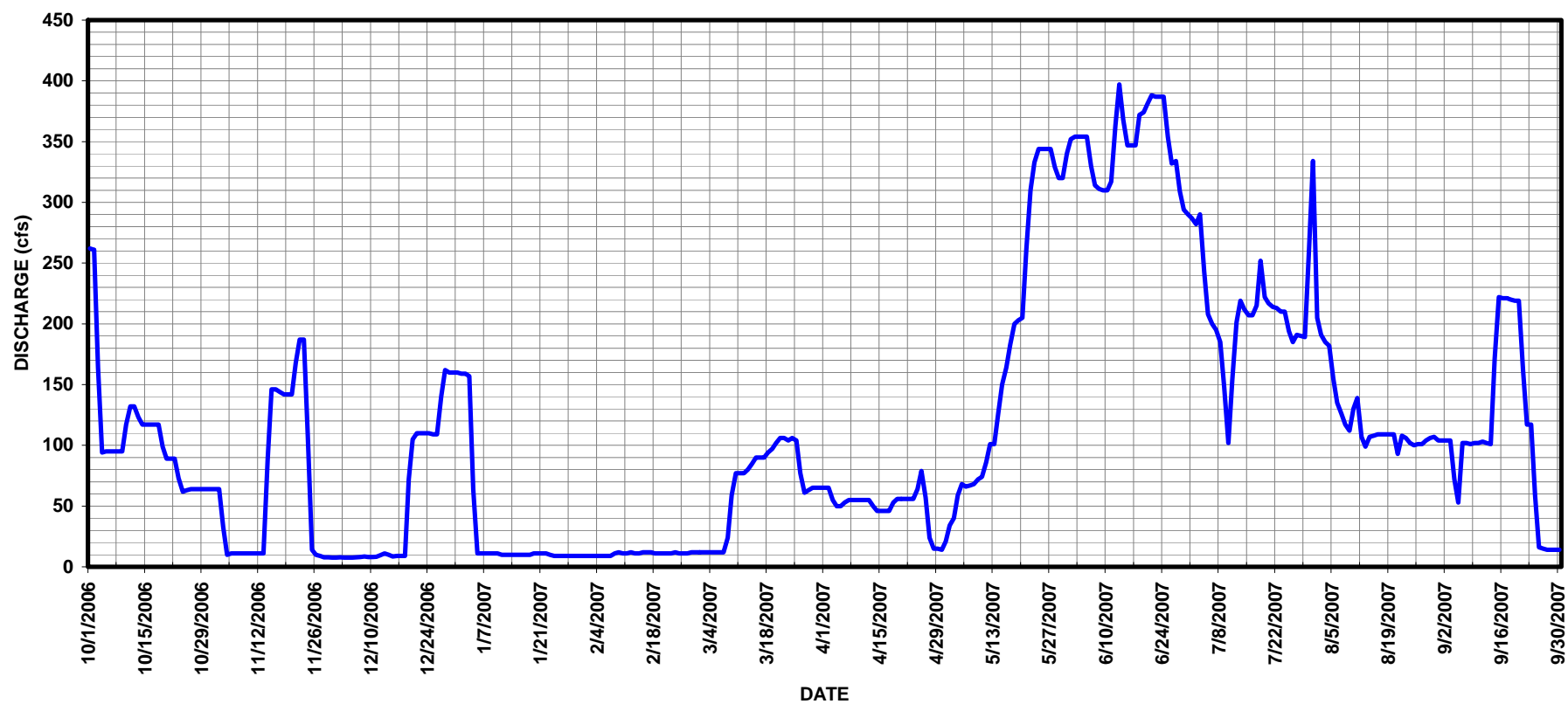
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	64	7.6	159	9.0	12	65	21	352	287	205	104
2	261	64	7.8	159	9.0	12	65	34	354	282	191	104
3	164	33	7.7	157	9.0	12	55	40	354	290	185	104
4	94	10	7.6	64	9.0	12	50	59	354	243	182	72
5	95	11	7.6	11	9.0	12	50	68	354	208	155	53
6	95	11	7.8	11	9.0	12	53	66	330	200	135	102
7	95	11	8.1	11	9.0	12	55	67	314	195	126	102
8	95	11	8.4	11	11	24	55	68	311	185	117	101
9	95	11	8.1	11	12	59	55	72	310	148	112	102
10	117	11	8.0	11	11	77	55	74	310	102	130	102
11	132	11	8.3	10	11	77	55	86	317	154	139	103
12	132	11	9.6	10	12	77	55	101	363	201	107	102
13	123	11	11	10	11	80	50	101	397	219	99	101
14	117	88	9.8	10	11	85	46	126	368	212	107	171
15	117	146	8.4	10	12	90	46	150	347	207	108	222
16	117	146	8.9	10	12	90	46	164	347	207	109	221
17	117	144	9.0	10	12	90	46	183	347	215	109	221
18	117	142	9.0	10	11	94	53	200	372	252	109	220
19	99	142	72	11	11	97	56	203	374	222	109	219
20	89	142	105	11	11	102	56	205	381	217	109	219
21	89	168	110	11	11	106	56	261	388	214	93	162
22	89	187	110	11	11	106	56	310	387	213	108	117
23	73	187	110	9.8	12	104	56	333	387	210	106	117
24	62	108	110	9.0	11	106	64	344	387	210	102	59
25	63	14	109	9.0	11	104	79	344	354	194	100	16
26	64	10	109	9.0	11	77	57	344	332	185	101	15
27	64	8.9	140	9.0	12	61	24	344	334	191	101	14
28	64	7.9	162	9.0	12	63	15	329	309	190	104	14
29	64	7.8	160	9.0	---	65	15	320	294	189	106	14
30	64	7.5	160	9.0	---	65	14	320	290	262	107	14
31	64	---	160	9.0	---	65	---	340	---	334	104	---
TOTAL	3293	1926.1	1769.7	810.8	302.0	2048	1503	5677	10418	6638	3775	3287
MEAN	106	64.2	57.1	26.2	10.8	66.1	50.1	183	347	214	122	110
AC-FT	6530	3820	3510	1610	599	4060	2980	11260	20660	13170	7490	6520
MAX	262	187	162	159	12	106	79	344	397	334	205	222
MIN	62	7.5	7.6	9.0	9.0	12	14	21	290	102	93	14

CAL YR	2006	TOTAL	59859.9	MEAN	164	MAX	656	MIN	5.5	AC-FT	118700
WTR YR	2007	TOTAL	41447.6	MEAN	114	MAX	397	MIN	7.5	AC-FT	82210

MAX DISCH: 405 CFS AT 14:15 ON Jun. 13, 2007 GH 2.48 FT. SHIFT 0 FT.
MAX GH: 2.48 FT. AT 14:15 ON Jun. 13, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06729450 SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO

LOCATION.--Lat 39°55'58", long 105°18'29", SW¼ sec. 26, T.1 S., R.71 W., Boulder County. Diverts Denver Water Board rights released from Gross Reservoir to South Boulder Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; Oct. 1958 to present.

GAGE.--Graphic water-stage recorder, shaft encoder and satellite monitoring DCP at 12' Parshall Flume in a timber shelter and concrete well. An electric tape is used to reference the gage, with a supplemental outside staff. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. Satellite data agreed with the recorder data within ±0.02 foot. The record is reliable and complete. The diversion was off, and/or partially off, the following days for maintenance issues: Nov 3-14, 27-30, 2006; Dec 1-19, 2006; Jan 4-31, 2007; Feb 1-28, 2007; Mar 1-8, 26-31, 2007; Apr 1-30, 2007; and May 1-21, 2007. Trickle flow (GH less than 0.10 ft.) record was zeroed out per agreement with Denver Water. The record is good. Station maintained by Denver Water and record developed by Steve Barrett.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

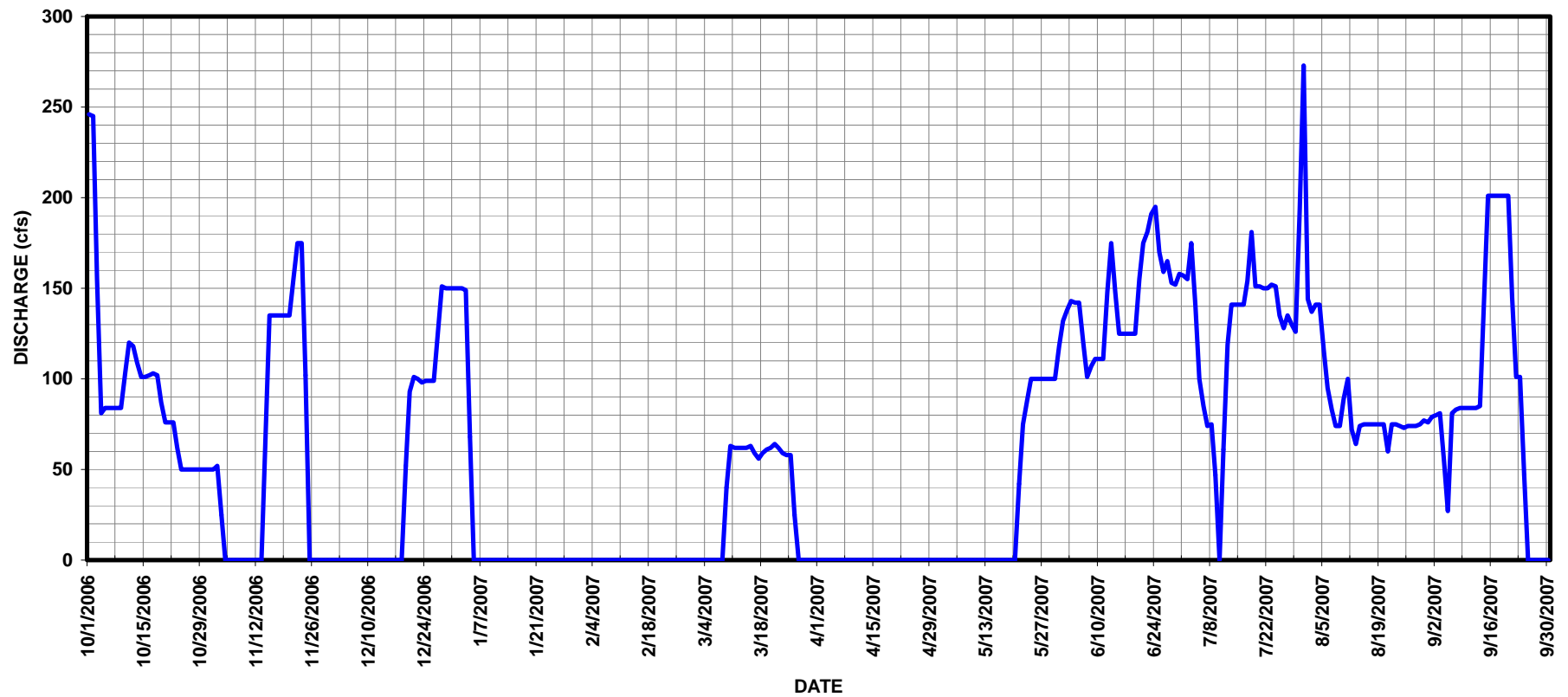
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	50	0	150	0	0	0	0	132	157	144	79
2	245	52	0	150	0	0	0	0	138	155	137	80
3	155	25	0	149	0	0	0	0	143	175	141	81
4	81	0	0	68	0	0	0	0	142	140	141	54
5	84	0	0	0	0	0	0	0	142	100	116	27
6	84	0	0	0	0	0	0	0	120	85	95	81
7	84	0	0	0	0	0	0	0	101	74	83	83
8	84	0	0	0	0	0	0	0	107	75	74	84
9	84	0	0	0	0	40	0	0	111	47	74	84
10	103	0	0	0	0	63	0	0	111	0	89	84
11	120	0	0	0	0	62	0	0	111	61	100	84
12	118	0	0	0	0	62	0	0	148	119	72	84
13	109	0	0	0	0	62	0	0	175	141	64	85
14	101	65	0	0	0	62	0	0	148	141	74	145
15	101	135	0	0	0	63	0	0	125	141	75	201
16	102	135	0	0	0	59	0	0	125	141	75	201
17	103	135	0	0	0	56	0	0	125	154	75	201
18	102	135	0	0	0	59	0	0	125	181	75	201
19	87	135	52	0	0	61	0	0	125	151	75	201
20	76	135	93	0	0	62	0	0	155	151	75	201
21	76	156	101	0	0	64	0	42	175	150	60	145
22	76	175	100	0	0	62	0	75	181	150	75	101
23	62	175	98	0	0	59	0	88	191	152	75	101
24	50	102	99	0	0	58	0	100	195	151	74	47
25	50	0	99	0	0	58	0	100	170	135	73	0
26	50	0	99	0	0	25	0	100	159	128	74	0
27	50	0	126	0	0	0	0	100	165	135	74	0
28	50	0	151	0	0	0	0	100	153	130	74	0
29	50	0	150	0	---	0	0	100	152	126	75	0
30	50	0	150	0	---	0	0	100	158	194	77	0
31	50	---	150	0	---	0	---	118	---	273	76	---
TOTAL	2883	1610	1468	517	0	1037	0	1023	4308	4113	2661	2735
MEAN	93.0	53.7	47.4	16.7	0	33.5	0	33.0	144	133	85.8	91.2
AC-FT	5720	3190	2910	1030	0	2060	0	2030	8540	8160	5280	5420
MAX	246	175	151	150	0	64	0	118	195	273	144	201
MIN	50	0	0	0	0	0	0	0	101	0	60	0

CAL YR	2006	TOTAL	41538	MEAN	149	MAX	352	MIN	0	AC-FT	82390
WTR YR	2007	TOTAL	22355	MEAN	61.2	MAX	273	MIN	0	AC-FT	44340

MAX DISCH: 304 CFS AT 15:45 ON Jul. 18, 2007 GH 3.22 FT. SHIFT 0 FT.
MAX GH: 3.22 FT. AT 15:45 ON Jul. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO

LOCATION.--Lat 39°55'51", long 105°17'44", in SW1/4 sec. 25, T.1 S., R.71 W., Boulder County, Hydrologic Unit 10190005, on left bank 0.2 mi downstream from South Draw, 1.0 mi west of Eldorado Springs, 1.8 mi downstream from South Boulder diversion canal, 5.0 mi south of Boulder, and 6.7 mi downstream from Gross Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--109 mi²; Apr. 1888-Oct. 1892, May 1895-Sept. 1901, Aug. 1904 to present.

GAGE.--Graphic water stage recorder and Sutron High Data Rate (HDR) satellite monitoring DCP in metal box shelter and corrugated metal pipe well. Supplemental outside chain gage. The data collection platform (DCP) is the primary record having the graphic chart as a backup.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. Satellite data agreed with the recorder data within ±0.02 foot. Hourly values were taken from the chart (due to missing DCP data) on the following days: Oct 25, 2006, April 1, 2007, and July 6, 2007. The record is reliable and complete, except for the following periods: November 28-30, 2006, when ice affected the stage discharge relationship; and December 1, 2006- March 9, 2007, when the station was closed for winter. The record is good, except for November 28, 2006 - March 9, 2007, which is estimated and fair. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BOCELSCO23 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	18	7.6	9.0	9.0	12	73	50	215	134	57	28
2	17	16	7.8	9.0	9.0	12	72	57	212	129	49	25
3	19	16	7.7	8.0	9.0	12	63	61	208	119	41	25
4	16	11	7.6	4.0	9.0	12	55	75	211	111	37	26
5	13	11	7.6	11	9.0	12	55	89	211	113	37	20
6	13	11	7.8	11	9.0	12	57	88	210	121	34	24
7	13	11	8.1	11	9.0	12	59	87	211	127	39	22
8	13	10	8.4	11	11	23	59	87	203	117	38	20
9	13	11	8.1	11	12	19	58	88	196	109	35	20
10	14	10	8.0	11	11	20	58	91	197	106	36	21
11	17	10	8.3	10	11	23	56	98	205	92	34	21
12	18	11	9.6	10	12	24	56	113	215	82	33	19
13	19	10	11	10	11	27	52	112	221	79	31	19
14	18	14	9.8	10	11	36	46	132	221	72	31	20
15	18	17	8.4	10	12	40	45	153	221	64	30	21
16	17	17	8.9	10	12	40	45	167	224	64	30	21
17	17	15	9.0	10	12	44	49	184	224	57	30	21
18	17	12	9.0	10	11	46	53	197	241	68	30	21
19	17	12	20	11	11	48	59	201	247	68	30	20
20	17	12	12	11	11	51	60	199	226	65	30	20
21	18	13	9.0	11	11	53	60	209	217	61	30	24
22	17	14	10	11	11	54	60	224	211	60	30	19
23	16	14	12	9.8	12	58	60	231	201	55	29	19
24	16	19	11	9.0	11	72	85	232	195	54	26	23
25	17	17	10	9.0	11	72	106	233	189	55	23	16
26	20	11	10	9.0	11	77	98	232	179	53	23	15
27	18	9.6	14	9.0	12	79	75	231	176	51	23	14
28	18	7.9	11	9.0	12	79	65	222	161	55	25	14
29	18	7.8	10	9.0	---	80	59	215	142	59	26	14
30	18	7.5	10	9.0	---	77	51	215	135	56	29	13
31	18	---	10	9.0	---	75	---	215	---	56	29	---
TOTAL	517	375.8	301.7	301.8	302.0	1301	1849	4788	6125	2512	1005	605
MEAN	16.7	12.5	9.73	9.74	10.8	42.0	61.6	154	204	81.0	32.4	20.2
AC-FT	1030	745	598	599	599	2580	3670	9500	12150	4980	1990	1200
MAX	20	19	20	11	12	80	106	233	247	134	57	28
MIN	13	7.5	7.6	4.0	9.0	12	45	50	135	51	23	13

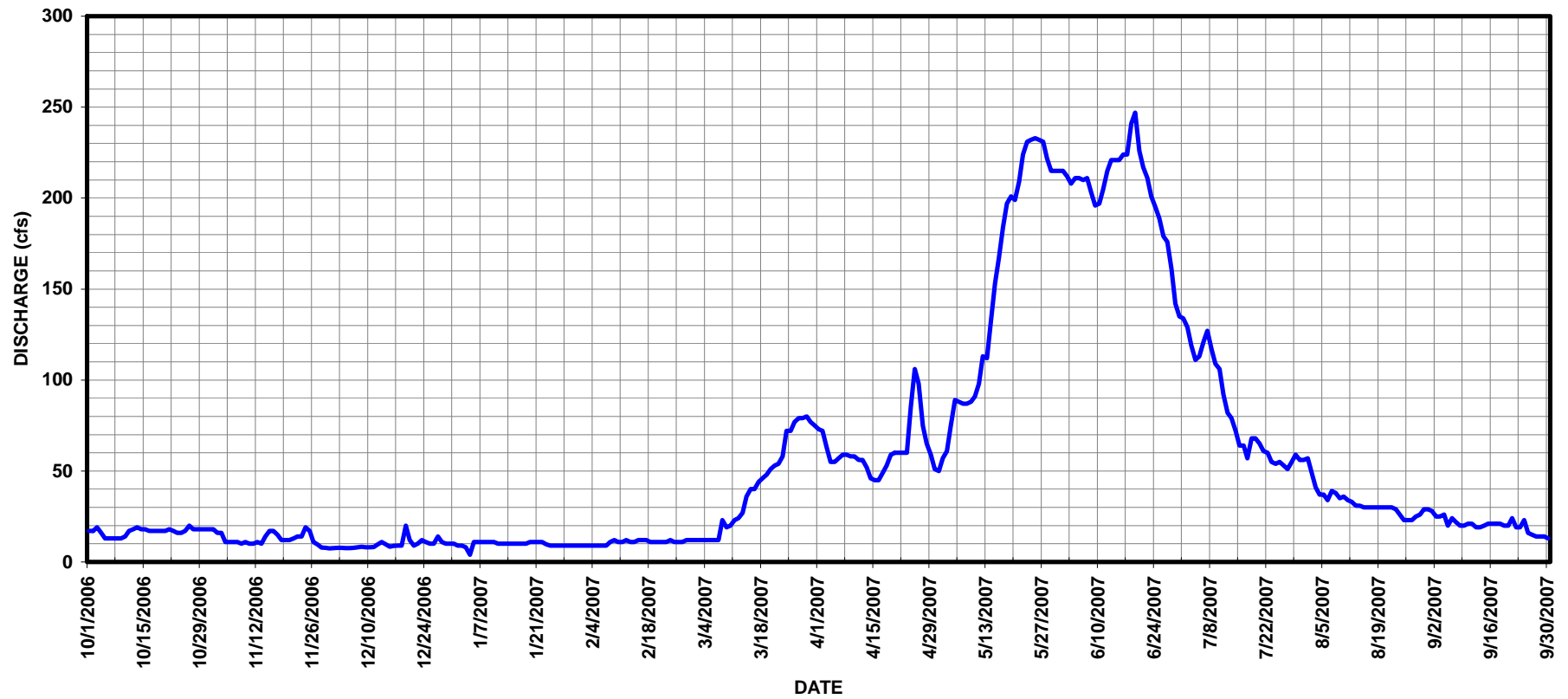
CAL YR	2006	TOTAL	18700.7	MEAN	51.2	MAX	345	MIN	5.6	AC-FT	37090
WTR YR	2007	TOTAL	19983.3	MEAN	54.7	MAX	247	MIN	4	AC-FT	39640

MAX DISCH: 268 CFS AT 13:00 ON Jun. 18, 2007 GH 2.75 FT. SHIFT 0 FT.

MAX GH: 2.75 FT. AT 13:00 ON Jun. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06730300 COAL CREEK NEAR PLAINVIEW, CO

LOCATION.--Lat 39°52'40", long 105°16'39" (Eldorado Springs Quad. 1965, 1:24,000 scale) in SE1/4, NE1/4, Sec. 13, T. 2S, R. 71W, Jefferson County, on left bank 100 ft upstream from culvert on State Hwy 72, 1.2 miles south of Plainview, 5 miles downstream from Beaver Creek and 9 miles north of Golden, CO.

DRAINAGE AREA AND PERIOD OF RECORD.--15.1 mi²; Aug. 1959 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring in a 42-inch diameter corrugated metal shelter. The primary reference is a drop tape with a supplemental outside staff gage.

REMARKS.--Hourly data from the DCP is the primary record, with the recorder as back up. DCP record is complete and reliable, except for the following days, which appeared to be ice affected and were estimated: November 28-30, December 3, 20-21, 28-29, 2006, January 8, 2007. Ice affect was possible at the gage from November 28, 2006 thru February 5, 2007. Ice affects included backwater from ice on the control and ice in the well interfering with the readings. Useable GH record is still possible with ice on the control. The record is considered good, except for the winter period November 28, 2006 thru February 5, 2007. These days are considered estimated and poor due to ice affect: November 28-30, December 3, 20-21, 28-29, 2006, January 8, 2007. All other days between November 28, 2006 and February 5, 2007 are considered fair due to possible ice-affect. Station maintained and record developed by Steve Barrett.

RATING TABLE.--COCREPC009 USED FROM 01-OCT-2006 TO 30-SEP-2007

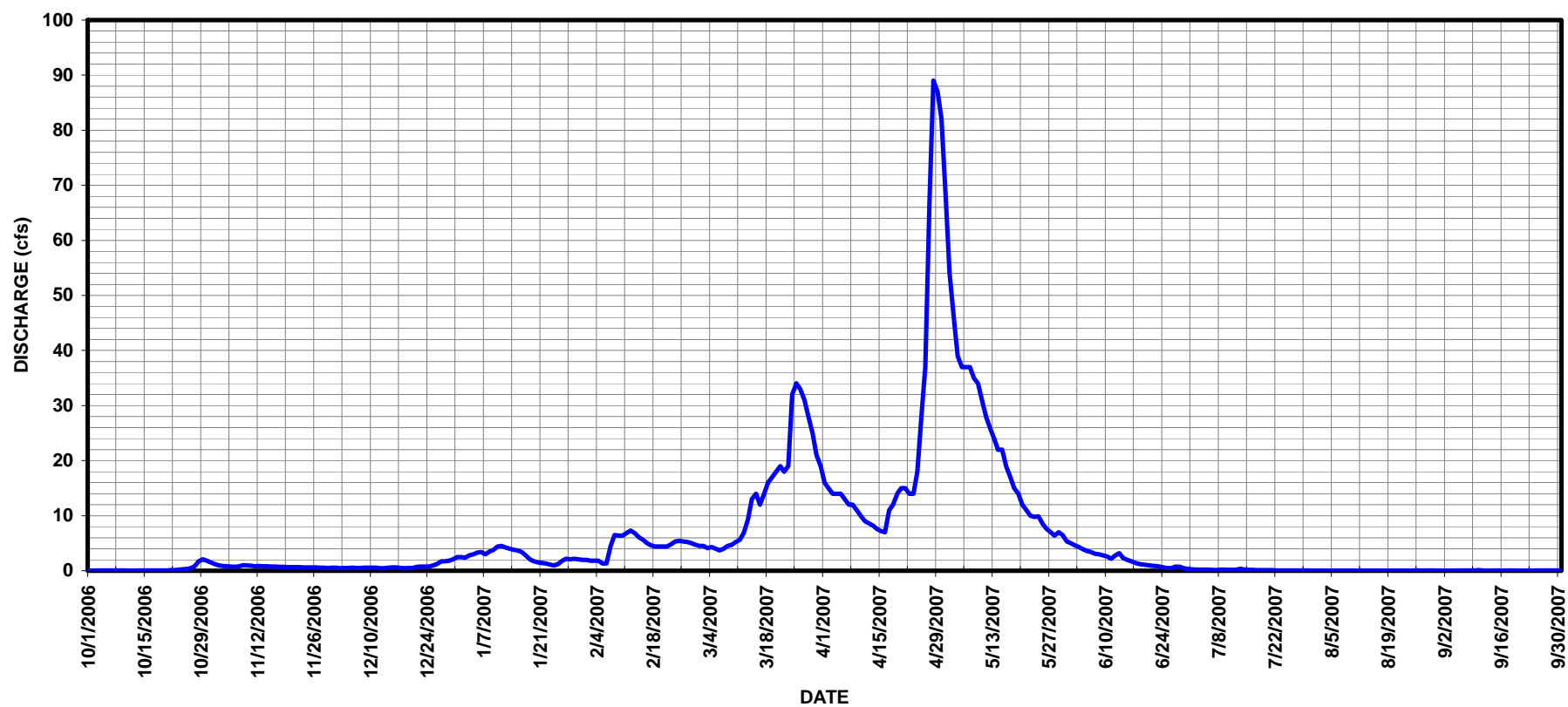
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	1.2	.55	2.5	2.0	4.5	16	68	5.0	.25	.01	.02
2	.01	.97	.47	2.4	1.8	4.5	15	54	4.6	.21	.01	.01
3	.04	.88	.50	2.8	1.8	4.1	14	46	4.3	.18	.02	.01
4	.06	.80	.51	3.0	1.8	4.3	14	39	3.9	.21	.02	.02
5	.04	.76	.55	3.3	1.3	4.0	14	37	3.6	.19	.01	.05
6	.04	.72	.53	3.4	1.3	3.7	13	37	3.4	.15	.01	.05
7	.03	.79	.53	3.0	4.5	4.0	12	37	3.1	.12	.02	.03
8	.05	1.0	.55	3.5	6.5	4.5	12	35	3.0	.19	0	.03
9	.05	.98	.55	3.8	6.4	4.7	11	34	2.8	.18	0	.06
10	.03	.89	.55	4.4	6.4	5.2	10	31	2.6	.13	0	.09
11	.02	.83	.55	4.5	6.9	5.6	9.0	28	2.2	.14	0	.05
12	.01	.86	.47	4.2	7.3	6.9	8.6	26	2.8	.20	0	.02
13	.03	.81	.47	4.0	6.8	9.3	8.2	24	3.2	.35	0	.01
14	.03	.83	.57	3.8	6.1	13	7.6	22	2.3	.20	0	.04
15	.03	.75	.63	3.7	5.6	14	7.2	22	2.0	.16	0	.03
16	.03	.76	.61	3.4	5.0	12	7.0	19	1.7	.13	0	.01
17	.05	.73	.50	2.8	4.6	14	11	17	1.4	.10	0	.04
18	.06	.71	.47	2.1	4.4	16	12	15	1.2	.09	0	.03
19	.04	.67	.49	1.7	4.4	17	14	14	1.1	.12	0	.03
20	.05	.67	.50	1.5	4.4	18	15	12	1.0	.10	0	.01
21	.08	.68	.70	1.4	4.4	19	15	11	.89	.08	0	0
22	.11	.64	.76	1.3	4.8	18	14	10	.87	.06	0	0
23	.19	.62	.76	1.1	5.3	19	14	9.8	.77	.05	0	0
24	.25	.62	.78	.98	5.4	32	18	9.9	.60	.04	.02	.07
25	.28	.61	.95	1.2	5.3	34	28	8.5	.44	.03	.03	.07
26	.44	.59	1.2	1.8	5.2	33	37	7.6	.52	.04	.04	.05
27	.81	.56	1.7	2.2	5.0	31	67	7.0	.75	.06	.05	.03
28	1.7	.55	1.7	2.1	4.7	28	89	6.4	.71	.05	.05	.03
29	2.1	.50	1.8	2.2	---	25	87	7.0	.47	.05	.04	.03
30	1.8	.55	2.1	2.1	---	21	82	6.5	.30	.03	.03	.04
31	1.5	---	2.5	2.0	---	19	---	5.3	---	.02	.02	---
TOTAL	9.96	22.53	25.50	82.18	129.4	448.3	681.6	706.0	61.52	3.91	.38	.96
MEAN	.32	.75	.82	2.65	4.62	14.5	22.7	22.8	2.05	.13	.012	.032
AC-FT	20	45	51	163	257	889	1350	1400	122	7.8	.8	1.9
MAX	2.1	1.2	2.5	4.5	7.3	34	89	68	5.0	.35	.05	.09
MIN	0	.50	.47	.98	1.3	3.7	7.0	5.3	.30	.02	0	0
CAL YR 2006	TOTAL	190.26	MEAN	0.52	MAX	2.5	MIN	0	AC-FT	377		
WTR YR 2007	TOTAL	2172.24	MEAN	5.95	MAX	89	MIN	0	AC-FT	4310		

MAX DISCH: 92 CFS AT 22:30 ON Apr. 27, 2007 GH 1.6 FT. SHIFT -0.02 FT.
MAX GH: 1.6 FT. AT 22:30 ON Apr. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06730300 COAL CREEK NEAR PLAINVIEW CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06731000 ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO

LOCATION.--Lat 40°15'29", long 104°52'45", in SE¼NW¼ sec. 3, T,3 N., R.67 W., Weld County, Hydrologic Unit 10190005, on right bank 140 ft downstream from bridge on county road, 1.3 mi upstream from mouth, and 4.2 mi northwest of Platteville.

DRAINAGE AREA AND PERIOD OF RECORD.--976 mi²; 1927 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP in a 54-inch metal pipe shelter and well. Data collection platform is the primary record with graphic chart as backup. Primary reference is an electric tape gage located inside the shelter. A 3.33-ft outside staff gage is driven into the stream bed as a supplemental reading for low flows, however the channel has slowly moved away from the staff leaving it land-locked.

REMARKS.--The primary record is hourly DCP data with graphical chart record as backup. The record is complete and reliable except as follows: Dec. 20, 2006 through Feb. 15, 2007 due to ice affecting the stage-discharge relationship; 1300-1700 May 14, 2007, when equipment in station was removed in order to replace recorder shelf. All satellite data used agreed with the mean daily gage heights taken from the chart to within ±0.02 feet. Encoder calibration was supported by 27 visits to the gage. The record is complete and reliable, except for a period of ice affect Feb 18-22, 2006. The record is good, except for days affected by ice, Dec. 20, 2006 through Feb. 15, 2007, which are estimated and considered poor. Station maintained and record developed by Patrick Tyler.

RATING TABLE.--SVCPLACO27 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

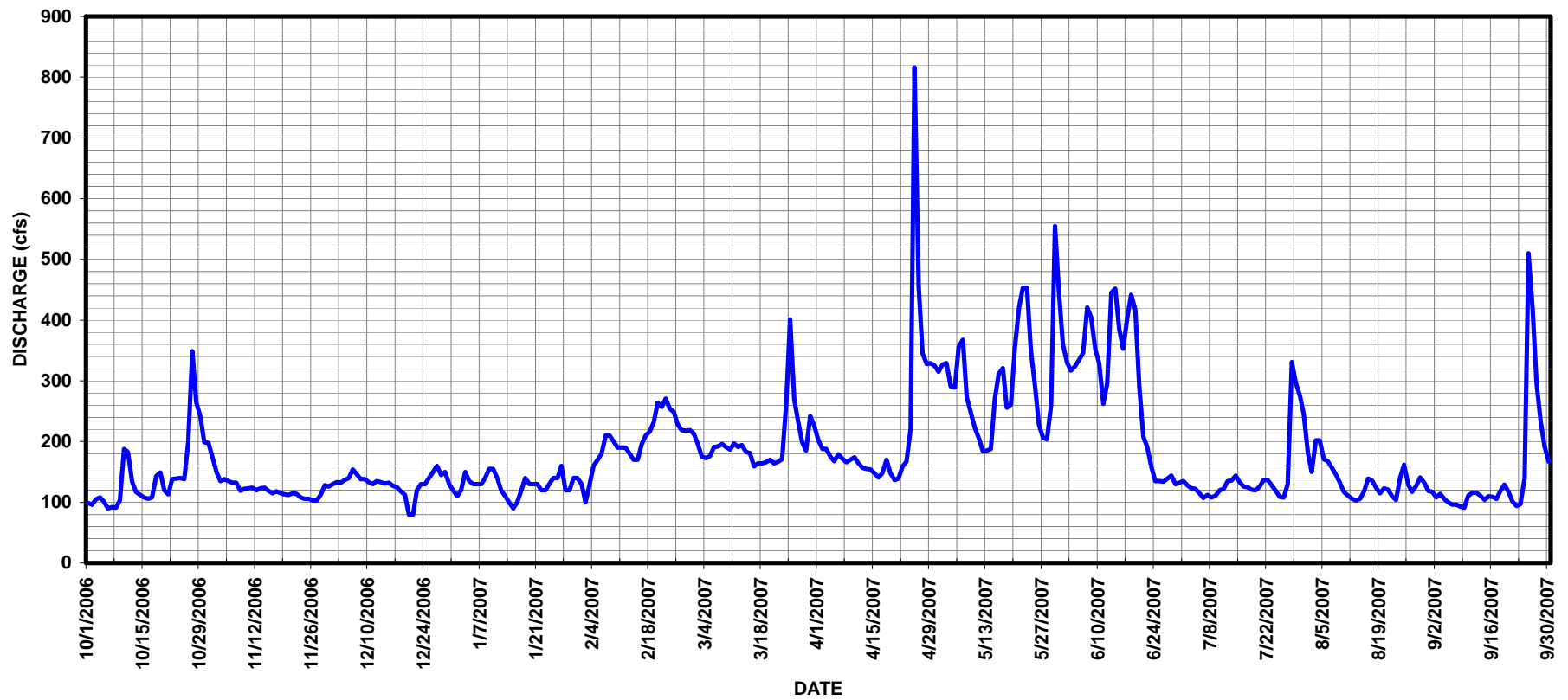
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	175	130	110	130	213	203	315	360	135	181	117
2	96	150	133	120	100	195	188	327	330	128	150	108
3	105	135	132	150	130	175	188	329	317	123	202	114
4	108	138	137	135	160	173	175	291	324	122	202	106
5	101	135	140	130	170	176	168	289	334	115	171	100
6	90	132	154	130	180	191	179	356	346	107	168	96
7	92	132	146	130	210	192	172	368	421	112	157	96
8	91	119	138	140	210	196	166	273	405	108	146	93
9	103	122	138	155	200	191	170	247	352	111	132	91
10	188	123	133	155	190	187	174	223	329	120	117	111
11	183	124	130	140	190	197	164	205	262	122	111	116
12	134	120	135	120	190	191	157	184	296	135	106	116
13	117	123	133	110	180	194	155	185	445	136	103	111
14	112	124	131	100	170	183	154	188	452	144	106	104
15	108	119	132	90	170	181	148	271	385	133	118	110
16	106	115	127	100	195	159	141	312	353	126	139	109
17	108	118	125	120	210	164	148	321	404	125	136	106
18	143	115	118	140	216	164	170	256	442	121	124	119
19	149	113	112	130	232	166	148	261	417	120	115	129
20	120	112	80	130	264	170	137	354	293	126	123	117
21	113	115	80	130	257	164	139	420	208	137	121	101
22	138	114	120	120	271	167	159	453	191	137	110	94
23	139	108	130	120	254	171	167	453	158	128	104	97
24	140	106	130	130	249	263	221	350	135	119	141	140
25	138	106	140	140	228	401	816	291	135	109	162	510
26	199	103	150	140	219	269	456	228	134	108	129	418
27	349	103	160	160	218	233	345	206	139	130	117	297
28	265	112	145	120	219	199	328	204	144	331	127	233
29	241	128	150	120	---	185	329	260	130	297	141	192
30	199	126	130	140	---	242	325	555	132	276	132	167
31	198	---	120	140	---	227	---	445	---	245	119	---
TOTAL	4472	3665	4059	3995	5612	6179	6590	9420	8773	4486	4210	4418
MEAN	144	122	131	129	200	199	220	304	292	145	136	147
AC-FT	8870	7270	8050	7920	11130	12260	13070	18680	17400	8900	8350	8760
MAX	349	175	160	160	271	401	816	555	452	331	202	510
MIN	90	103	80	90	100	159	137	184	130	107	103	91
CAL YR 2006	TOTAL	46430	MEAN	127	MAX	1320	MIN	53	AC-FT	92090		
WTR YR 2007	TOTAL	65879	MEAN	180	MAX	816	MIN	80	AC-FT	130700		

MAX DISCH: 975 CFS AT 15:00 ON Apr. 25, 2007 GH 5.06 FT. SHIFT -0.51 FT.

MAX GH: 5.06 FT. AT 15:00 ON Apr. 25, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06731000 ST. VRAIN CREEK AT MOUTH NEAR PLATTEVILLE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

WIND RIVER ABOVE ADAMS TUNNEL NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'38", long 105°34'53"

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage record and Satellite Monitoring Data Collection Platform (DCP) and shaft encoder in a wooden shelter with an electric drop tape at a 4-foot steel Parshall Flume. A secondary staff is located on the left wing wall at the flume's H_a location. The DCP is the primary record with chart record as backup. On April 2, 2007 the chart recorder was removed and replaced by a Sutron Stage Discharge Recorder (SDR) as backup to the DCP record. The station is maintained in cooperation with the United States Bureau of Reclamation (USBR) and Colorado Division of Water Resources (DWR).

REMARKS.--The primary record is hourly averages of 15-minute DCP data with chart and SDR as backup. It is complete and reliable, except for the following days: October 26, 27, 31 and November 1-2, 2006 when the stage-discharge relationship was affected by ice; November 2, 2006 to April 2, 2007, when the station was closed for winter, no gage-height information available. This is a partial year record. Period of use for the 2007 Water Year is October 1 to November 2, 2006 and April 2 to September 30, 2007. Formerly called "Wind River Near Estes Park", this station is operated as part of the C-BT system to determine east slope inflow into the system. The record is good, except for October 26, 27, 30, November 1-2, 2006, which were estimated and are poor due to ice affect; April 2, 2007 which is based on partial day record, and is estimated and fair; and mean daily flows below 1.3 cfs, which are fair. Stream flows are affected by diversion above the station amounting to approximately 300 AF per water year. Station maintained by USBR and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--STD4FTFF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

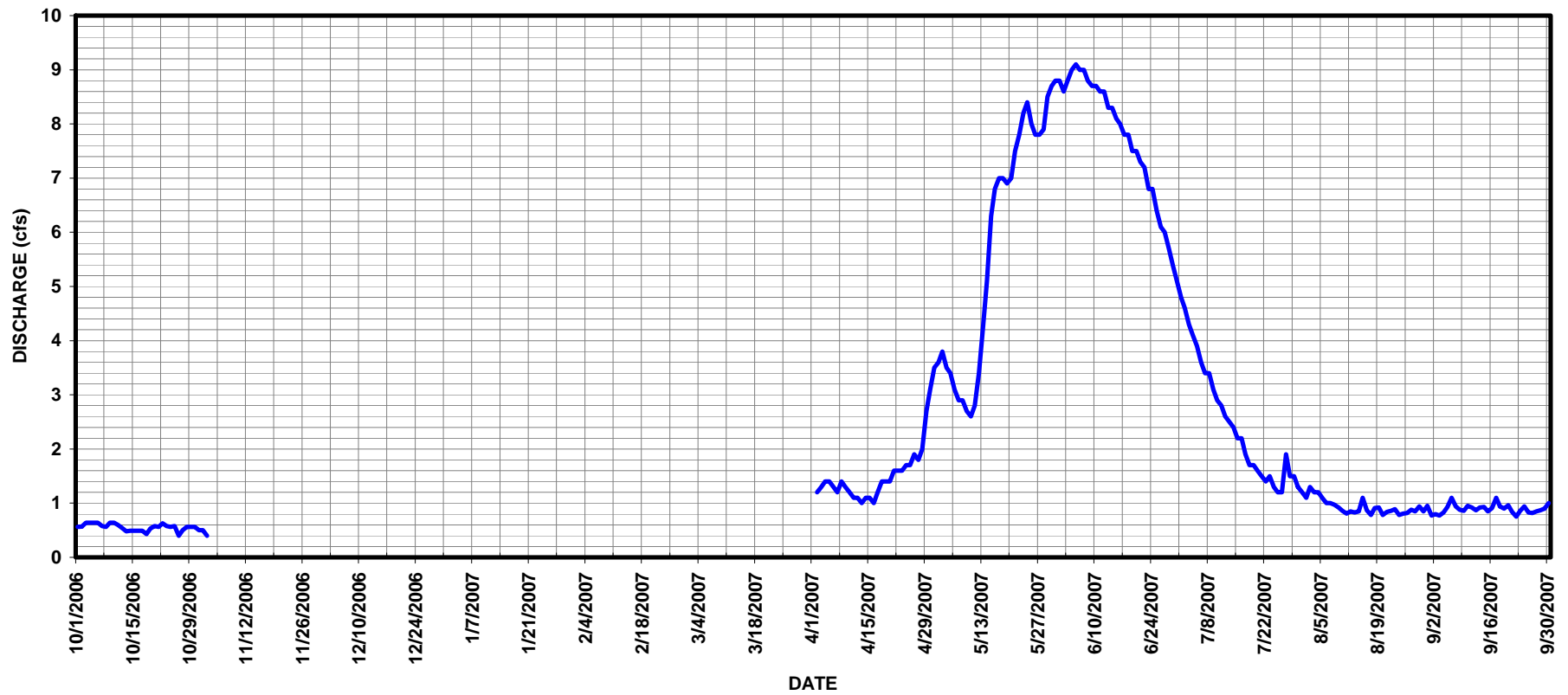
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	.50	---	---	---	---	---	3.5	8.8	4.8	1.1	.77
2	.57	.40	---	---	---	---	1.2	3.6	8.6	4.6	1.3	.80
3	.64	---	---	---	---	---	1.3	3.8	8.8	4.3	1.2	.77
4	.64	---	---	---	---	---	1.4	3.5	9.0	4.1	1.2	.83
5	.64	---	---	---	---	---	1.4	3.4	9.1	3.9	1.1	.93
6	.64	---	---	---	---	---	1.3	3.1	9.0	3.6	1.0	1.1
7	.58	---	---	---	---	---	1.2	2.9	9.0	3.4	1.0	.94
8	.56	---	---	---	---	---	1.4	2.9	8.8	3.4	.97	.88
9	.64	---	---	---	---	---	1.3	2.7	8.7	3.1	.92	.86
10	.64	---	---	---	---	---	1.2	2.6	8.7	2.9	.86	.95
11	.60	---	---	---	---	---	1.1	2.8	8.6	2.8	.81	.92
12	.54	---	---	---	---	---	1.1	3.4	8.6	2.6	.85	.87
13	.48	---	---	---	---	---	1.0	4.2	8.3	2.5	.83	.92
14	.49	---	---	---	---	---	1.1	5.1	8.3	2.4	.85	.93
15	.49	---	---	---	---	---	1.1	6.3	8.1	2.2	1.1	.85
16	.49	---	---	---	---	---	1.0	6.8	8.0	2.2	.87	.91
17	.49	---	---	---	---	---	1.2	7.0	7.8	1.9	.78	1.1
18	.43	---	---	---	---	---	1.4	7.0	7.8	1.7	.91	.94
19	.53	---	---	---	---	---	1.4	6.9	7.5	1.7	.92	.90
20	.58	---	---	---	---	---	1.4	7.0	7.5	1.6	.78	.96
21	.56	---	---	---	---	---	1.6	7.5	7.3	1.5	.84	.84
22	.63	---	---	---	---	---	1.6	7.8	7.2	1.4	.86	.75
23	.58	---	---	---	---	---	1.6	8.2	6.8	1.5	.89	.86
24	.56	---	---	---	---	---	1.7	8.4	6.8	1.3	.78	.94
25	.58	---	---	---	---	---	1.7	8.0	6.4	1.2	.81	.83
26	.40	---	---	---	---	---	1.9	7.8	6.1	1.2	.82	.82
27	.50	---	---	---	---	---	1.8	7.8	6.0	1.9	.88	.85
28	.56	---	---	---	---	---	2.0	7.9	5.7	1.5	.85	.87
29	.56	---	---	---	---	---	2.7	8.5	5.4	1.5	.94	.90
30	.56	---	---	---	---	---	3.1	8.7	5.1	1.3	.85	1.0
31	.50	---	---	---	---	---	---	8.8	---	1.2	.95	---
TOTAL	17.22	.90	---	---	---	---	43.2	177.9	231.8	75.2	28.82	26.79
MEAN	.56	.45	---	---	---	---	1.49	5.74	7.73	2.43	.93	.89
AC-FT	34	1.8	---	---	---	---	86	353	460	149	57	53
MAX	.64	.50	---	---	---	---	3.1	8.8	9.1	4.8	1.3	1.1
MIN	.40	.40	---	---	---	---	1.0	2.6	5.1	1.2	.78	.75
CAL YR 2006	TOTAL	231.4	MEAN	1.10	MAX	4.1	MIN	.4	AC-FT	458	(PARTIAL YEAR RECORD)	
WTR YR 2007	TOTAL	601.83	MEAN	2.8	MAX	9.1	MIN	.4	AC-FT	1190	(PARTIAL YEAR RECORD)	

MAX DISCH: 9.32 CFS AT 07:30 ON Jun. 5, 2007 GH 0.71 FT. SHIFT 0 FT.

MAX GH: 0.71 FT. AT 07:30 ON Jun. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WIND RIVER ABOVE ADAMS TUNNEL NEAR ESTES PARK CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

WIND RIVER BELOW ADAMS TUNNEL NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'38", long 105°34'53"

DRAINAGE AREA.--N/A

GAGE.--Incremental shaft encoder in a 30-inch CMP shelter and well at a 3-foot Cipolletti weir. Primary reference gage is a drop tape with a supplemental outside staff gage. The shaft encoder is wired to the Data Collection Platform in the Adams Tunnel gage. The station is maintained in cooperation of the United States Bureau of Reclamation (USBR) and Colorado Division of Water Resources (DWR) to determine east slope flows into the Colorado Big Thompson (C-BT) system at Adam's Tunnel. This gage is used to compute the amount of Wind River water being 'skimmed' into the C-BT system. The amount of skim water is the difference between the two gages: Wind River above (WINDESCO) and below (WINBYPCO) Adams Tunnel: (Wind River skim = WINDESCO - WINBYPCO). When water is not being skimmed, all flow bypasses Adams Tunnel through a pipeline and the 3-foot Cipolletti weir records the same water as the WINDESCO flume. The USBR does not divert flow into the C-BT system when the native flow in Wind River is 2 cfs or less. Skim operations are not performed during winter periods.

REMARKS.--The record is hourly averages of 15-minute DCP data. There is no backup record installed at this site. The gage height record was only evaluated for the skim period. Skimming operations occurred between May 3, 2007 and July 17, 2007. During the skim period the record is complete and reliable, except for June 27-28, 2007, when debris was hanging on the control. A coupling was added to the inlet prior to skimming on May 3, 2007 to help with plugging issues experienced earlier in the year. Eight visits were made during the skim period with no plugging, or instrumentation drift noted. Discharge values for the non-skim period of the record are from the WINDESCO record. See the WINDESCO record for gage height record comments and record rating for the non skim periods. WINBYPCO gage was used for the skim period only and is considered good, except for June 27-28, 2007, when the gage was affected by debris on the control. Station maintained by USBR and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--WINBYPCO02 USED FROM 03-MAY-2007 TO 17-JUL-2007 "SKIMMING" PERIOD

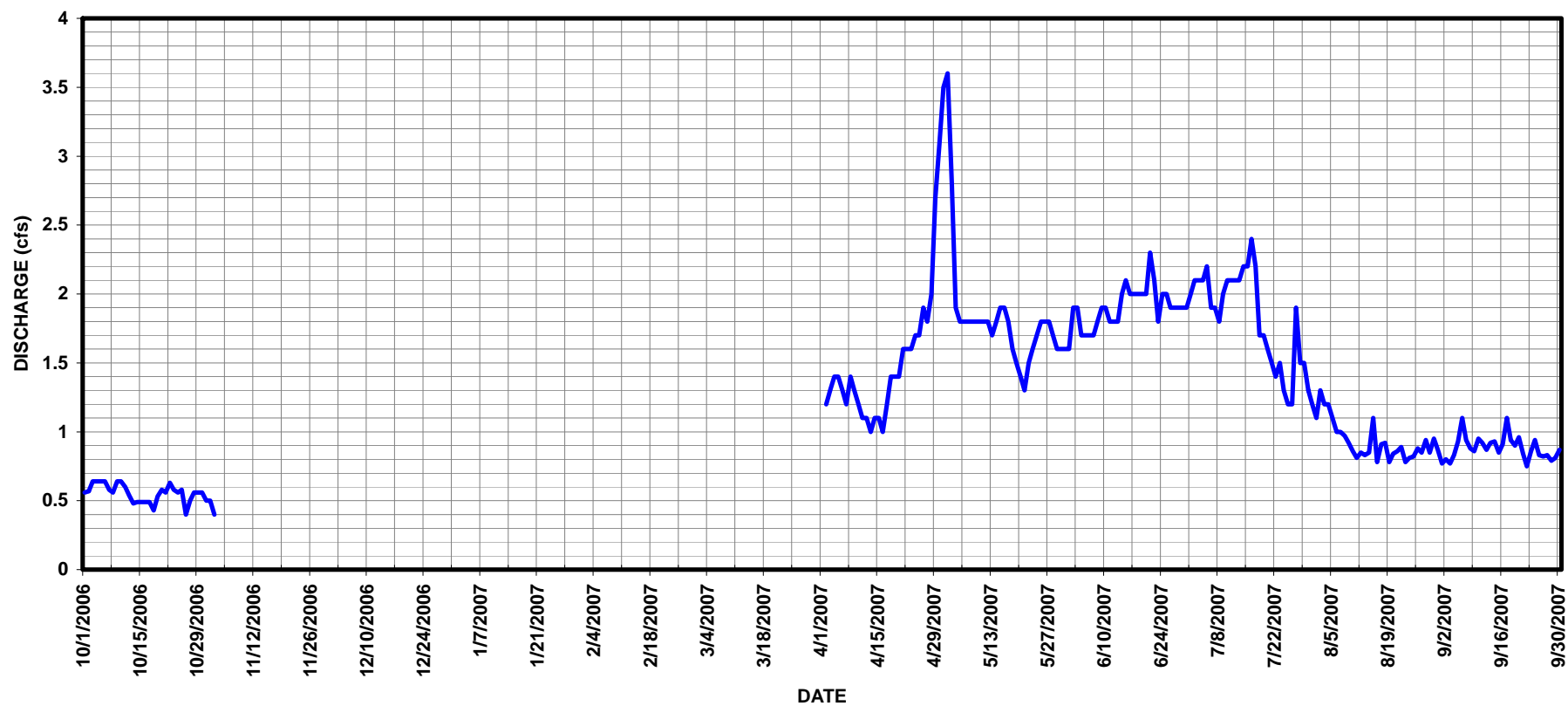
WINDESCO DAILY DISCHARGE VALUES USED FROM 01-OCT-2007 TO 02-MAY-2007 AND 18-JUL-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	.50	---	---	---	---	---	3.5	1.6	2.0	1.1	.77
2	.57	.40	---	---	---	---	1.2	3.6	1.9	2.1	1.3	.80
3	.64	---	---	---	---	---	1.3	2.8	1.9	2.1	1.2	.77
4	.64	---	---	---	---	---	1.4	1.9	1.7	2.1	1.2	.83
5	.64	---	---	---	---	---	1.4	1.8	1.7	2.2	1.1	.93
6	.64	---	---	---	---	---	1.3	1.8	1.7	1.9	1.0	1.1
7	.58	---	---	---	---	---	1.2	1.8	1.7	1.9	1.0	.94
8	.56	---	---	---	---	---	1.4	1.8	1.8	1.8	.97	.88
9	.64	---	---	---	---	---	1.3	1.8	1.9	2.0	.92	.86
10	.64	---	---	---	---	---	1.2	1.8	1.9	2.1	.86	.95
11	.60	---	---	---	---	---	1.1	1.8	1.8	2.1	.81	.92
12	.54	---	---	---	---	---	1.1	1.8	1.8	2.1	.85	.87
13	.48	---	---	---	---	---	1.0	1.7	1.8	2.1	.83	.92
14	.49	---	---	---	---	---	1.1	1.8	2.0	2.2	.85	.93
15	.49	---	---	---	---	---	1.1	1.9	2.1	2.2	1.1	.85
16	.49	---	---	---	---	---	1.0	1.9	2.0	2.3	.78	.91
17	.49	---	---	---	---	---	1.2	1.8	2.0	2.2	.91	1.1
18	.43	---	---	---	---	---	1.4	1.6	2.0	1.7	.92	.94
19	.53	---	---	---	---	---	1.4	1.5	2.0	1.7	.78	.90
20	.58	---	---	---	---	---	1.4	1.4	2.0	1.6	.84	.96
21	.56	---	---	---	---	---	1.6	1.3	2.3	1.5	.86	.84
22	.63	---	---	---	---	---	1.6	1.5	2.1	1.4	.89	.75
23	.58	---	---	---	---	---	1.6	1.6	1.8	1.5	.78	.86
24	.56	---	---	---	---	---	1.7	1.7	2.0	1.3	.81	.94
25	.58	---	---	---	---	---	1.7	1.8	2.0	1.2	.82	.83
26	.40	---	---	---	---	---	1.9	1.8	1.9	1.2	.88	.82
27	.50	---	---	---	---	---	1.8	1.8	2.1	1.9	.85	.83
28	.56	---	---	---	---	---	2.0	1.7	2.2	1.5	.94	.79
29	.56	---	---	---	---	---	2.7	1.6	1.9	1.5	.85	.81
30	.56	---	---	---	---	---	3.1	1.6	1.9	1.3	.95	.87
31	.50	---	---	---	---	---	---	1.6	---	1.2	---	---
TOTAL	17.22	.90	---	---	---	---	43.2	57.6	57.0	56.1	27.82	26.47
MEAN	.56	.45	---	---	---	---	1.49	1.86	1.90	1.81	.93	.88
AC-FT	34	1.8	---	---	---	---	86	114	113	111	57	53
MAX	.64	.50	---	---	---	---	3.1	3.6	2.3	2.4	1.3	1.1
MIN	.40	.40	---	---	---	---	1.0	1.3	1.6	1.2	.78	.75

CAL YR 2006 TOTAL 231.4 MEAN 1.10 MAX 4.1 MIN .4 AC-FT 458 (PARTIAL YEAR RECORD)
WTR YR 2007 TOTAL 286.94 MEAN 1.34 MAX 3.6 MIN .4 AC-FT 569 (PARTIAL YEAR RECORD)
MAX DISCH: 3.91 CFS AT 10:00 ON May. 3, 2007 GH 0.58 FT. SHIFT -0.05 FT.
MAX GH: 0.58 FT. AT 10:00 ON May. 3, 2007

WIND RIVER BELOW ADAMS TUNNEL NEAR ESTES PARK CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06733000 BIG THOMPSON RIVER (above Lake Estes) AT ESTES PARK, CO

LOCATION.--Lat 40°22'42", long 105°30'48", in NW¼NW¼ sec. 30, T.5 N., R.72 W., Larimer County on right bank in Estes Park, 600 ft downstream from bridge on State Highways 7 and 66, 900 ft downstream from Black Canyon Creek, and 0.3 mi northwest of Estes Power Plant. Station is upstream from Lake Estes.

DRAINAGE AREA AND PERIOD OF RECORD.--137 mi². October 1946 to current year.

GAGE.--Steven's Type A graphic water-stage recorder and satellite monitoring data collection platform (DCP) in a 4 ft x 4 ft precast concrete shelter and stilling well at a 15 foot concrete Parshall Flume with overflow bays flanking the flume. The primary reference is an electric tape gage in the shelter with two supplementary outside staff gages. One supplementary staff is located in the flume's H_a location and the second staff is located on the backside of the shelter. The second staff is only used when the flume's overflow bays are in use. The chart recorder was removed and replaced with a Sutron Stage Discharge Recorder (SDR) during the 2007 water year. The gage is maintained in cooperation of the United States Bureau of Reclamation (USBR) and the Colorado Division of Water Resources (DWR). Datum of gage is 7,492.5 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--The primary record is hourly averages of 15-minute DCP data, with chart and SDR data as backup. The record is complete and reliable except as follows: October 27, 2006, when the gage was ice affected; November 13, 2006 to March 21, 2007, when the gage was shut off for winter; March 23 and 24, 2007, due to DCP failure (adjusted SDR data were used without loss of accuracy); and September 21 to 30, 2007, when the USBR initiated flume repair construction. A coffer dam was placed upstream of the flume and flow was diverted over the left overflow bay. Water seeping behind the coffer dam was captured and pumped over the right overflow bay. The data can be regarded as very reliable, as the gage is visited frequently and even 0.01 adjustments to the stage encoder are rare. Record is good, except for periods of no gage height or ice affected record, which were estimated and are considered fair to poor; and the period of flume repair, which was estimated and is considered fair. Record developed by Russell Stroud.

RATING TABLE.--BTABESCO09 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

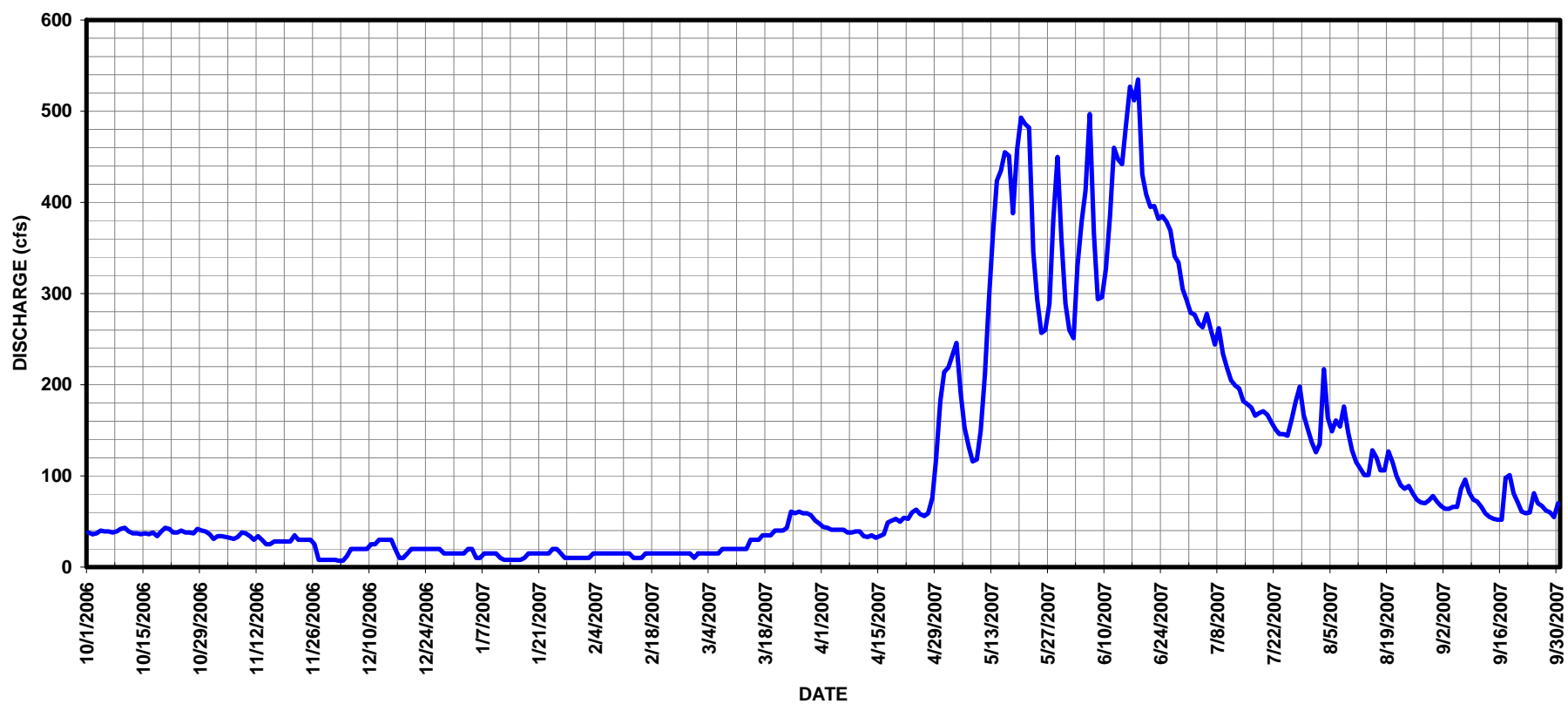
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	31	8.0	15	10	15	44	214	260	279	126	67
2	36	34	7.0	15	10	15	43	219	251	277	135	64
3	37	34	7.0	20	15	15	41	232	330	267	217	64
4	40	33	12	20	15	15	41	246	379	263	164	66
5	39	32	20	10	15	15	41	191	413	278	149	66
6	39	31	20	10	15	15	41	153	497	261	161	86
7	38	33	20	15	15	20	38	132	366	244	154	96
8	39	38	20	15	15	20	38	116	294	262	176	82
9	42	37	20	15	15	20	39	118	296	234	148	74
10	43	34	25	15	15	20	39	150	327	218	128	72
11	39	30	25	10	15	20	34	211	386	205	115	66
12	37	34	30	8.0	15	20	33	291	460	199	108	59
13	37	30	30	8.0	10	20	35	366	447	196	101	55
14	36	25	30	8.0	10	30	32	424	442	182	101	53
15	37	25	30	8.0	10	30	34	435	486	179	128	52
16	36	28	20	8.0	15	30	36	455	527	175	120	52
17	38	28	10	10	15	35	49	451	512	166	106	98
18	34	28	10	15	15	35	51	388	535	169	106	101
19	39	28	15	15	15	35	53	458	431	171	127	81
20	43	28	20	15	15	40	50	493	409	167	115	71
21	42	35	20	15	15	40	54	486	395	159	100	61
22	38	30	20	15	15	40	53	482	396	151	90	59
23	38	30	20	15	15	43	60	346	382	146	86	60
24	40	30	20	20	15	61	63	294	385	146	89	81
25	38	30	20	20	15	59	58	257	379	144	81	70
26	38	25	20	15	15	61	56	260	369	162	74	67
27	37	8.0	20	10	15	59	59	289	341	181	71	62
28	42	8.0	15	10	10	59	76	382	334	198	70	60
29	40	8.0	15	10	---	57	119	450	305	167	73	55
30	39	8.0	15	10	---	51	182	360	293	151	78	70
31	36	---	15	10	---	48	---	289	---	137	72	---
TOTAL	1195	833.0	579.0	405.0	390	1043	1592	9638	11627	6134	3569	2070
MEAN	38.5	27.8	18.7	13.1	13.9	33.6	53.1	311	388	198	115	69.0
AC-FT	2370	1650	1150	803	774	2070	3160	19120	23060	12170	7080	4110
MAX	43	38	30	20	15	61	182	493	535	279	217	101
MIN	34	8.0	7.0	8.0	10	15	32	116	251	137	70	52
CAL YR 2006	TOTAL	33791	MEAN	92.6	MAX	643	MIN	7	AC-FT	67020		
WTR YR 2007	TOTAL	39075	MEAN	107	MAX	535	MIN	7	AC-FT	77510		

MAX DISCH: 646 CFS AT 00:15 ON Jun. 18, 2007 GH 4.36 FT. SHIFT 0.16 FT.

MAX GH: 4.36 FT. AT 00:15 ON Jun. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06733000 BIG THOMPSON RIVER ABOVE LAKE ESTES AT ESTES PARK CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06734500 FISH CREEK NEAR ESTES PARK, CO

LOCATION.--Lat 40°22'06", long 105°29'35", SW¼ sec. 29, T.5 N., R.72 W.

DRAINAGE AREA AND PERIOD OF RECORD.--16.9 mi²; 1946 to present.

GAGE.--Graphical chart recorder and an incremental shaft encoder connected to a high data rate Sutron SatLink 2 Data Collection Platform (DCP) in a 4 foot by 4 foot concrete shelter and stilling well at a 5' Parshall Flume. An electric drop tape is the primary reference gage. There is a supplemental outside staff gage.

REMARKS.--The primary record is hourly averages of 15-minute satellite monitoring data with chart back up. The record is complete and reliable, except for the following periods: October 26, 2006, when the DCP missed 4 hours and the clock stopped on chart recorder. Data were interpolated from adjacent good record. November 13, 2006 to April 2, 2007, when the gage was shut off for winter. No gage-height record is available. April 2-5, 2007, when DCP initialization failed (chart record used without loss of accuracy). The record is good, except as follows: when average daily flows are below 1.6 cfs occurring October 1-November 13, 2006 and portions of July to September, 2007, which are considered fair; October 26, 2006, record is fair due to primary and secondary records were missing 4 hours; November 13, 2006 to April 2, 2007 when the gage was off for winter. Station maintained and record developed by Russell Stroud.

RATING TABLE.--FISHESCO06 USED FROM 01-Oct-2006 TO 30-Sep-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

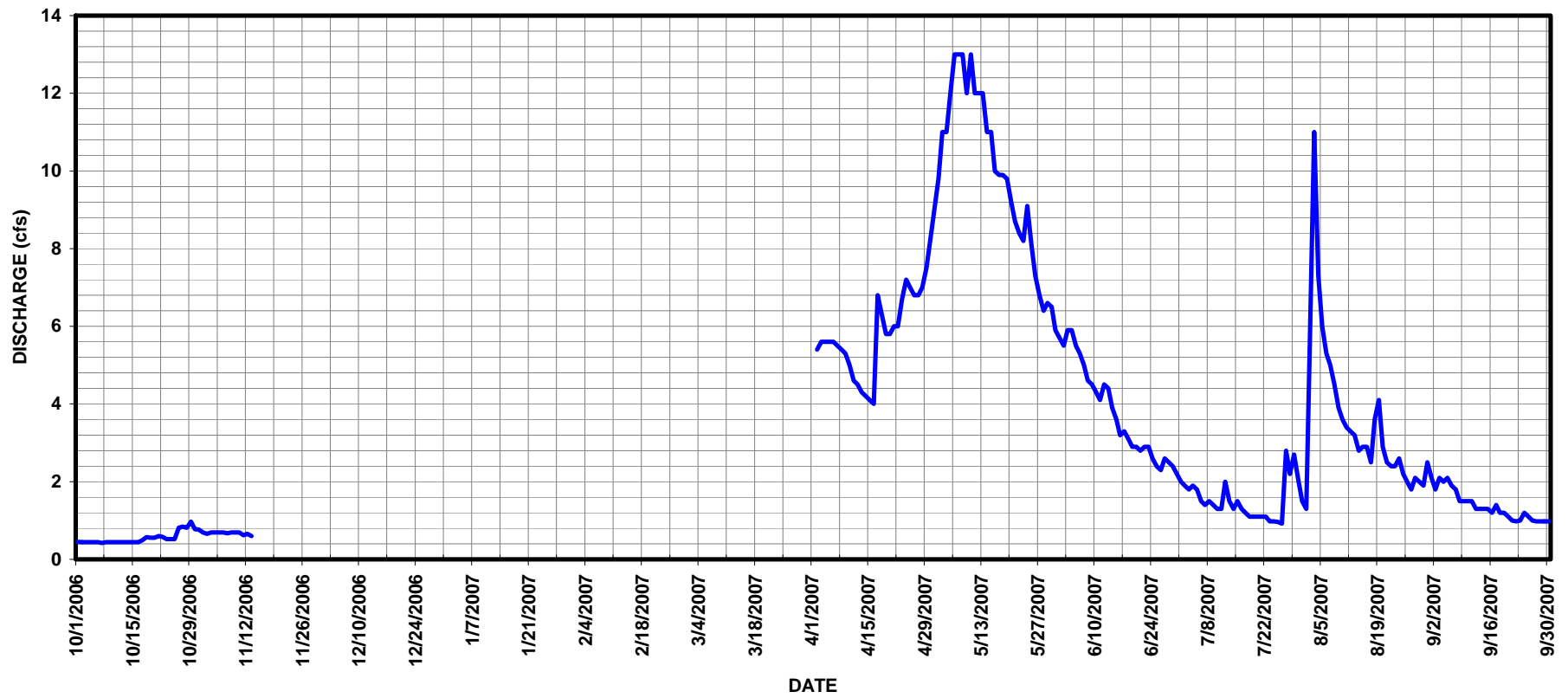
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.69	---	---	---	---	---	9.0	5.7	2.0	1.3	2.1
2	.44	.66	---	---	---	---	5.4	9.8	5.5	1.9	5.8	1.8
3	.44	.69	---	---	---	---	5.6	11	5.9	1.8	11	2.1
4	.44	.69	---	---	---	---	5.6	11	5.9	1.9	7.3	2.0
5	.44	.69	---	---	---	---	5.6	12	5.5	1.8	6.0	2.1
6	.44	.69	---	---	---	---	5.6	13	5.3	1.5	5.3	1.9
7	.42	.67	---	---	---	---	5.5	13	5.0	1.4	5.0	1.8
8	.44	.69	---	---	---	---	5.4	13	4.6	1.5	4.5	1.5
9	.44	.69	---	---	---	---	5.3	12	4.5	1.4	3.9	1.5
10	.44	.69	---	---	---	---	5.0	13	4.3	1.3	3.6	1.5
11	.44	.62	---	---	---	---	4.6	12	4.1	1.3	3.4	1.5
12	.44	.66	---	---	---	---	4.5	12	4.5	2.0	3.3	1.3
13	.44	.60	---	---	---	---	4.3	12	4.4	1.5	3.2	1.3
14	.44	---	---	---	---	---	4.2	11	3.9	1.3	2.8	1.3
15	.44	---	---	---	---	---	4.1	11	3.6	1.5	2.9	1.3
16	.44	---	---	---	---	---	4.0	10	3.2	1.3	2.9	1.2
17	.49	---	---	---	---	---	6.8	9.9	3.3	1.2	2.5	1.4
18	.57	---	---	---	---	---	6.3	9.9	3.1	1.1	3.6	1.2
19	.56	---	---	---	---	---	5.8	9.8	2.9	1.1	4.1	1.2
20	.56	---	---	---	---	---	5.8	9.2	2.9	1.1	2.9	1.1
21	.60	---	---	---	---	---	6.0	8.7	2.8	1.1	2.5	1.0
22	.58	---	---	---	---	---	6.0	8.4	2.9	1.1	2.4	.98
23	.52	---	---	---	---	---	6.7	8.2	2.9	.98	2.4	1.0
24	.52	---	---	---	---	---	7.2	9.1	2.6	.98	2.6	1.2
25	.52	---	---	---	---	---	7.0	8.1	2.4	.96	2.2	1.1
26	.81	---	---	---	---	---	6.8	7.3	2.3	.92	2.0	1.0
27	.84	---	---	---	---	---	6.8	6.8	2.6	2.8	1.8	.98
28	.81	---	---	---	---	---	7.0	6.4	2.5	2.2	2.1	.98
29	.97	---	---	---	---	---	7.5	6.6	2.4	2.7	2.0	.98
30	.78	---	---	---	---	---	8.2	6.5	2.2	2.1	1.9	.98
31	.76	---	---	---	---	---	---	5.9	---	1.5	2.5	---
TOTAL	16.92	8.73	---	---	---	---	168.6	305.6	113.7	47.24	109.7	41.30
MEAN	.55	.67	---	---	---	---	5.81	9.86	3.79	1.52	3.54	1.38
AC-FT	34	17	---	---	---	---	334	606	226	94	218	82
MAX	.97	.69	---	---	---	---	8.2	13	5.9	2.8	11	2.1
MIN	.42	.60	---	---	---	---	4.0	5.9	2.2	.92	1.3	.98
CAL YR 2006	TOTAL	148.92	MEAN	0.67	MAX	2.4	MIN	-	AC-FT	295	(PARTIAL YEAR RECORD)	
WTR YR 2007	TOTAL	811.79	MEAN	3.59	MAX	13	MIN	-	AC-FT	1610	(PARTIAL YEAR RECORD)	

MAX DISCH: 31.1 CFS AT 22:00 ON Aug. 2, 2007 GH 1.32 FT. SHIFT 0 FT.

MAX GH: 1.32 FT. AT 22:00 ON Aug. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06734500 FISH CREEK NEAR ESTES PARK CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06735500 BIG THOMPSON RIVER (below Lake Estes) NEAR ESTES PARK, CO

LOCATION.--Lat 40°22'35", long 105°29'06", in NE¼NE¼ sec. 29, T.5 N., R.72 W., Larimer County, Hydrologic Unit 10190006, on right bank 100 ft upstream from Dry Gulch, 600 ft downstream from Olympus Dam, and 2.0 mi east of Estes Park.

DRAINAGE AREA.--155 mi². Area at site used Jan. 29, 1934, to Mar. 21, 1951, 162 mi².

GAGE.--Graphic water-stage recorder and high data rate satellite monitoring Data Collection Platform (DCP) in a 4 ft x 4 ft precast concrete shelter and stilling well at a 15 foot concrete Parshall Flume with overflow bays flanking the flume. The Sutron 8210 DCP is equipped with a speech modem, for telephone access. The primary reference is an electric tape gage in the shelter with two supplementary outside staff gages. One supplementary staff is located in the H_a location of the flume and the second staff is located on the backside of the shelter. The second staff is used when the flumes' overflow bays are in use. On April 18, 2007 the chart recorder was removed and replaced with a Sutron Stage Discharge Recorder (SDR). The SDR serves as backup to the telemetered data collected by the shaft encoder. The gage is maintained in cooperation of the United States Bureau of Reclamation (USBR) and the Colorado Division of Water Resources (DWR).

REMARKS.--Primary record is hourly averages of 15-minute DCP data with chart and SDR as backup. Record is complete and reliable. The record is good. Record developed by Russell Stroud.

RATING TABLE.--BTBLES010 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

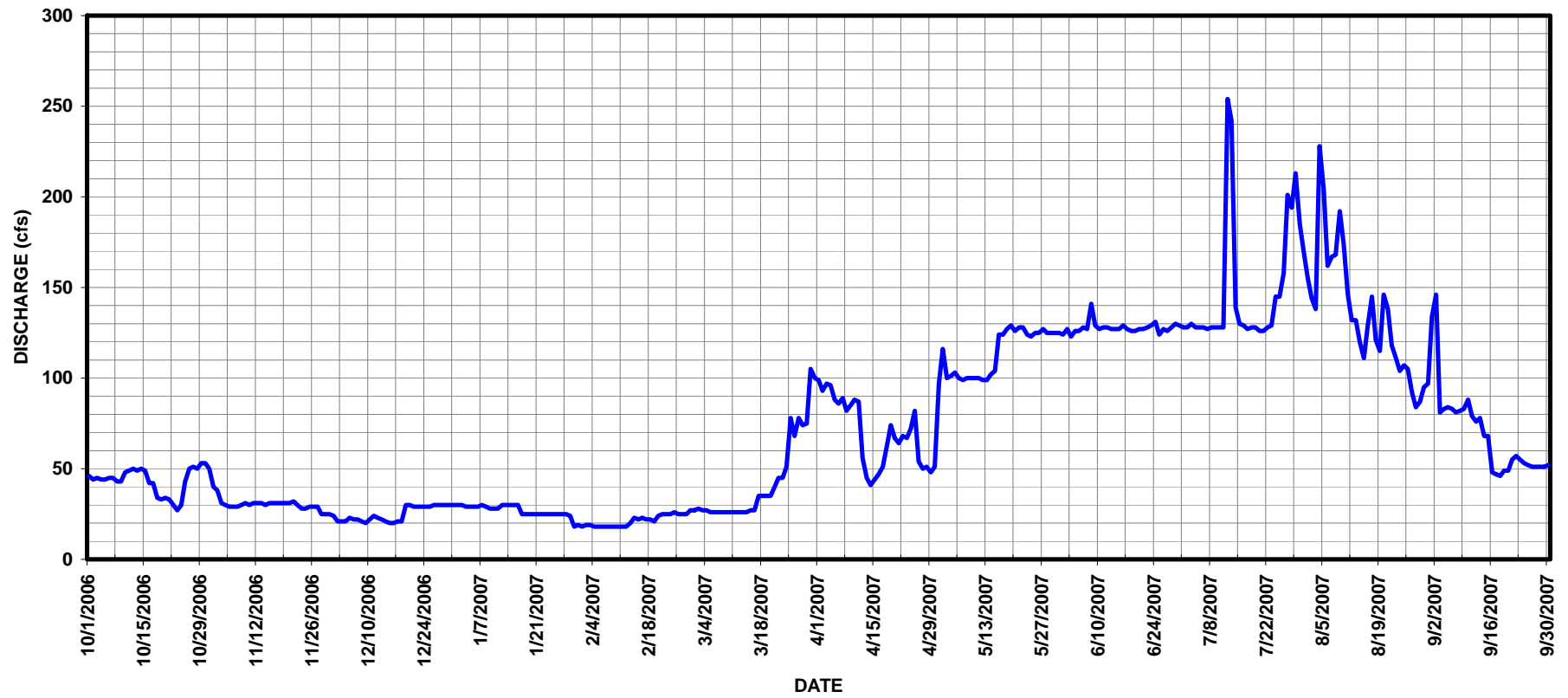
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	40	24	30	18	27	99	97	124	128	155	134
2	44	38	21	30	19	28	93	116	127	128	144	146
3	45	31	21	29	19	27	97	100	123	130	138	81
4	44	30	21	29	18	27	96	101	126	128	228	83
5	44	29	23	29	18	26	88	103	126	128	204	84
6	45	29	22	29	18	26	86	100	128	128	162	83
7	45	29	22	30	18	26	89	99	127	127	167	81
8	43	30	21	29	18	26	82	100	141	128	168	82
9	43	31	20	28	18	26	85	100	129	128	192	83
10	48	30	22	28	18	26	88	100	127	128	174	88
11	49	31	24	28	18	26	87	100	128	128	146	79
12	50	31	23	30	18	26	56	99	128	254	132	76
13	49	31	22	30	20	26	45	99	127	242	132	78
14	50	30	21	30	23	26	41	102	127	139	120	68
15	49	31	20	30	22	27	44	104	127	130	111	68
16	42	31	20	30	23	27	47	124	129	129	129	48
17	42	31	21	25	22	35	51	124	127	127	145	47
18	34	31	21	25	22	35	62	127	126	128	121	46
19	33	31	30	25	21	35	74	129	126	128	115	49
20	34	31	30	25	24	35	67	126	127	126	146	49
21	33	32	29	25	25	40	64	128	127	126	138	55
22	30	30	29	25	25	45	68	128	128	128	118	57
23	27	28	29	25	25	45	67	124	129	129	111	55
24	30	28	29	25	26	51	72	123	131	145	104	53
25	43	29	29	25	25	78	82	125	124	145	107	52
26	50	29	30	25	25	68	54	125	127	158	105	51
27	51	29	30	25	25	78	50	127	126	201	92	51
28	50	25	30	25	27	74	51	125	128	194	84	51
29	53	25	30	24	---	75	48	125	130	213	87	51
30	53	25	30	18	---	105	51	125	129	185	95	52
31	50	---	30	19	---	100	---	125	---	170	97	---
TOTAL	1349	906	774	830	598	1322	2084	3530	3829	4606	4167	2081
MEAN	43.5	30.2	25.0	26.8	21.4	42.6	69.5	114	128	149	134	69.4
AC-FT	2680	1800	1540	1650	1190	2620	4130	7000	7590	9140	8270	4130
MAX	53	40	30	30	27	105	99	129	141	254	228	146
MIN	27	25	20	18	18	26	41	97	123	126	84	46

CAL YR	2006	TOTAL	25806	MEAN	78.1	MAX	545	MIN	19	AC-FT	56540
WTR YR	2007	TOTAL	26076	MEAN	71.4	MAX	254	MIN	18	AC-FT	51720

MAX DISCH: 309 CFS AT 17:30 ON Jul. 27, 2007 GH 2.85 FT. SHIFT 0 FT.
MAX GH: 2.85 FT. AT 17:30 ON Jul. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06735500 BIG THOMPSON RIVER BELOW LAKE ESTES NEAR ESTES PARK CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06734900 OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES, CO

LOCATION.--Lat 40°22'30", long 105°29'13", in SE¼NW¼ sec. 29, T.5 N., R.72 W., Larimer County, Hydrologic Unit 10190006, at tunnel entrance at south end of Olympus Dam on Lake Estes, 1.9 mi east of Estes Park.

GAGE.--Satellite monitoring high data rate Data Collection Platform (DCP) with a phone modem, incremental shaft encoder and a Sutron Stage Discharge Recorder (SDR) in a 4 foot by 4 foot concrete shelter at a 15.2 foot wide concrete canal section. The SDR was installed on December 15, 2006. The primary reference is an electric tape gage located in the shelter with a supplemental staff gage located on the left wall of the canal. This station is operated in cooperation of the Colorado Division of Water Resources (DWR) and the United States Bureau of Reclamation (USBR) as part of the Colorado-Big Thompson Project.

REMARKS.--Primary record is hourly averages of 15-minute DCP data with SDR data as back up. The record is complete and reliable, except for December 6 to 8, 2006, when the float tape slipped off the shaft encoder twice and the SDR had not yet been installed; and June 19, 2007 when the station instruments were shut off for installation of a new shaft encoder. Missing values were interpolated without loss of accuracy between good data points. Zero flow occurs at gage heights of 0.20 ft. or less due to well conditions. Zero flow was observed on November 27, 2006. The record is good. Station maintained by USBR and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--OLYTUNCO07 USED FROM 01-OCT-2006 TO 30-SEP-2007

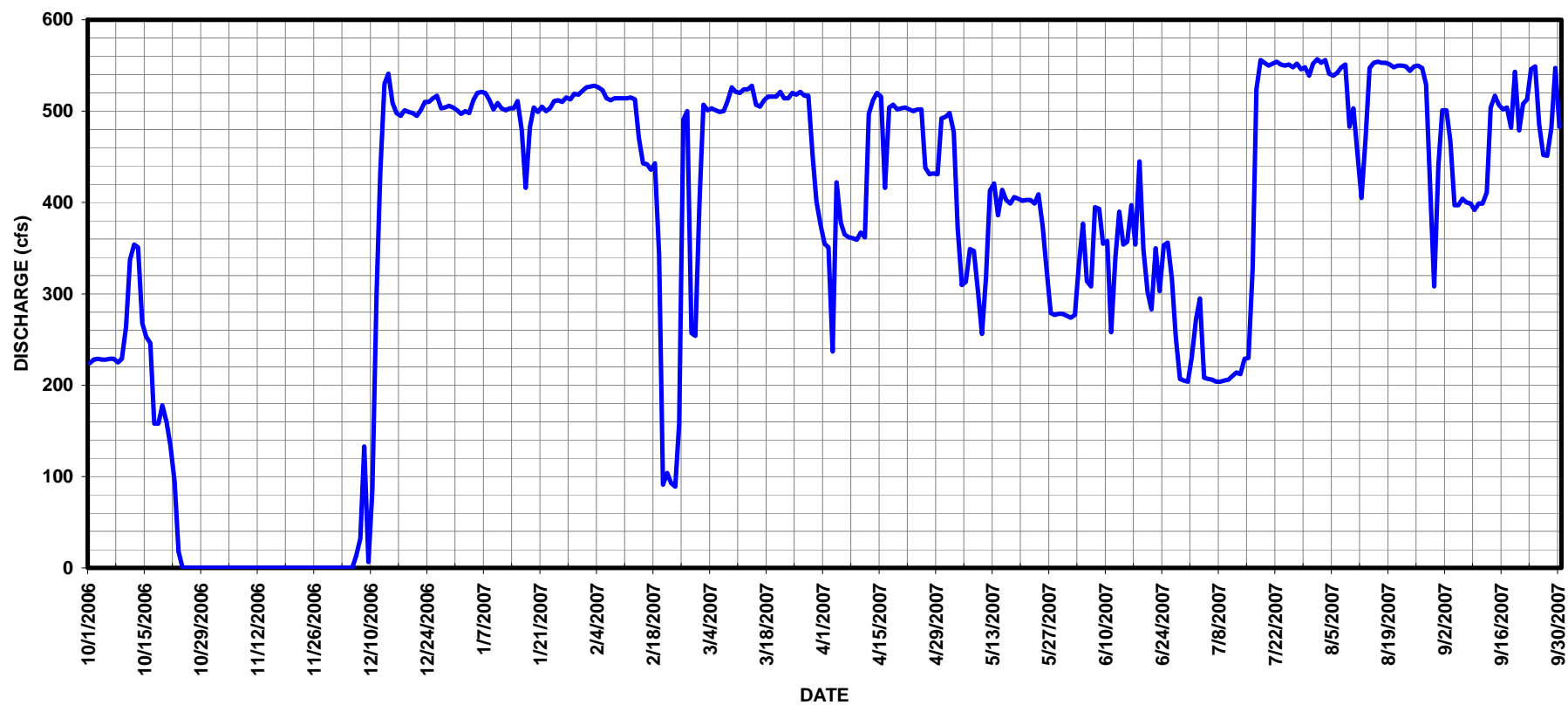
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	0	0	497	526	402	355	494	274	231	557	501
2	228	0	0	500	527	507	351	498	277	272	553	501
3	229	0	0	498	528	501	237	477	331	295	556	467
4	228	0	0	512	526	503	422	372	377	208	541	397
5	228	0	0	520	523	501	378	310	314	207	539	397
6	229	0	13	521	514	499	365	313	308	206	542	404
7	229	0	32	520	512	500	362	349	395	204	548	400
8	225	0	133	512	514	511	361	347	393	204	551	399
9	229	0	6.4	502	514	526	359	302	355	205	483	392
10	264	0	85	509	514	521	367	256	358	206	503	399
11	337	0	298	503	514	520	362	318	258	210	452	399
12	354	0	433	501	515	524	497	413	339	214	405	411
13	351	0	530	503	513	524	512	421	390	212	472	504
14	268	0	541	503	471	528	520	386	354	229	547	517
15	253	0	509	511	443	507	516	414	357	230	553	507
16	246	0	498	479	442	505	416	403	397	328	554	502
17	158	0	495	416	436	512	504	399	354	524	553	504
18	158	0	501	482	443	516	507	406	445	556	553	482
19	178	0	499	504	344	516	502	404	349	553	551	543
20	160	0	498	499	91	516	503	402	302	550	548	479
21	134	0	495	505	104	521	504	403	283	552	550	508
22	94	0	501	500	93	514	502	403	350	554	550	513
23	18	0	510	503	89	514	500	399	303	551	549	546
24	0	0	510	511	158	520	502	409	353	550	544	549
25	0	0	514	512	491	518	502	374	356	551	549	486
26	0	0	517	510	500	521	438	327	317	548	550	452
27	0	0	503	515	257	517	431	279	253	552	547	451
28	0	0	504	513	254	517	432	277	207	546	529	482
29	0	0	506	519	---	452	431	278	205	548	414	547
30	0	0	504	518	---	401	492	278	204	539	308	483
31	0	---	501	522	---	375	---	276	---	552	440	---
TOTAL	5022	0	10636.4	15620	11356	15509	13130	11387	9758	11887	16091	14122
MEAN	162	0	343	504	406	500	438	367	325	383	519	471
AC-FT	9960	0	21100	30980	22520	30760	26040	22590	19350	23580	31920	28010
MAX	354	0	541	522	528	528	520	498	445	556	557	549
MIN	0	0	0	416	89	375	237	256	204	204	308	392
CAL YR 2006	TOTAL	146160.4	MEAN	400	MAX	556	MIN	0	AC-FT	289900		
WTR YR 2007	TOTAL	134518.4	MEAN	369	MAX	557	MIN	0	AC-FT	266800		

MAX DISCH: 571 CFS AT 10:30 ON Sep. 5, 2007 GH 8.18 FT. SHIFT 0 FT.
MAX GH: 8.18 FT. AT 10:30 ON Sep. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06734900 OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

LOCATION.--Lat 40°20'45", long 105°26'30", NW¼ sec. 3, T.5 N., R.71 W., Larimer County, 400 ft upstream from mouth at Drake, Co. on U. S. Highway 34 to Estes Park, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--85.1 mi²; 1947 to present.

GAGE.--Graphic water-stage recorder and High Data Rate DCP logger with shaft encoder in a 42-inch well. The electric drop tape is the primary reference with a supplemental outside chain gage as backup.

REMARKS.--The primary record is hourly averages of 15-minute data transmitted by the DCP, with chart record as back up. The record is complete and reliable, except for October 31, November 1-2, 5, 10-12, 2006, when the stage-discharge relationship affected by ice; November 13, 2006 to March 21, 2007, when the gage was shut off for winter; no gage-height record is available; and, May 27-29, August 7, 2007, when the inlets were plugged. The record is good, except during periods of no gage height and ice affected record, which are poor; and during periods of inlet plugging, which are fair. Station maintained and record developed by Russell Stroud.

RATING TABLE.--BTNFDRCO11 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

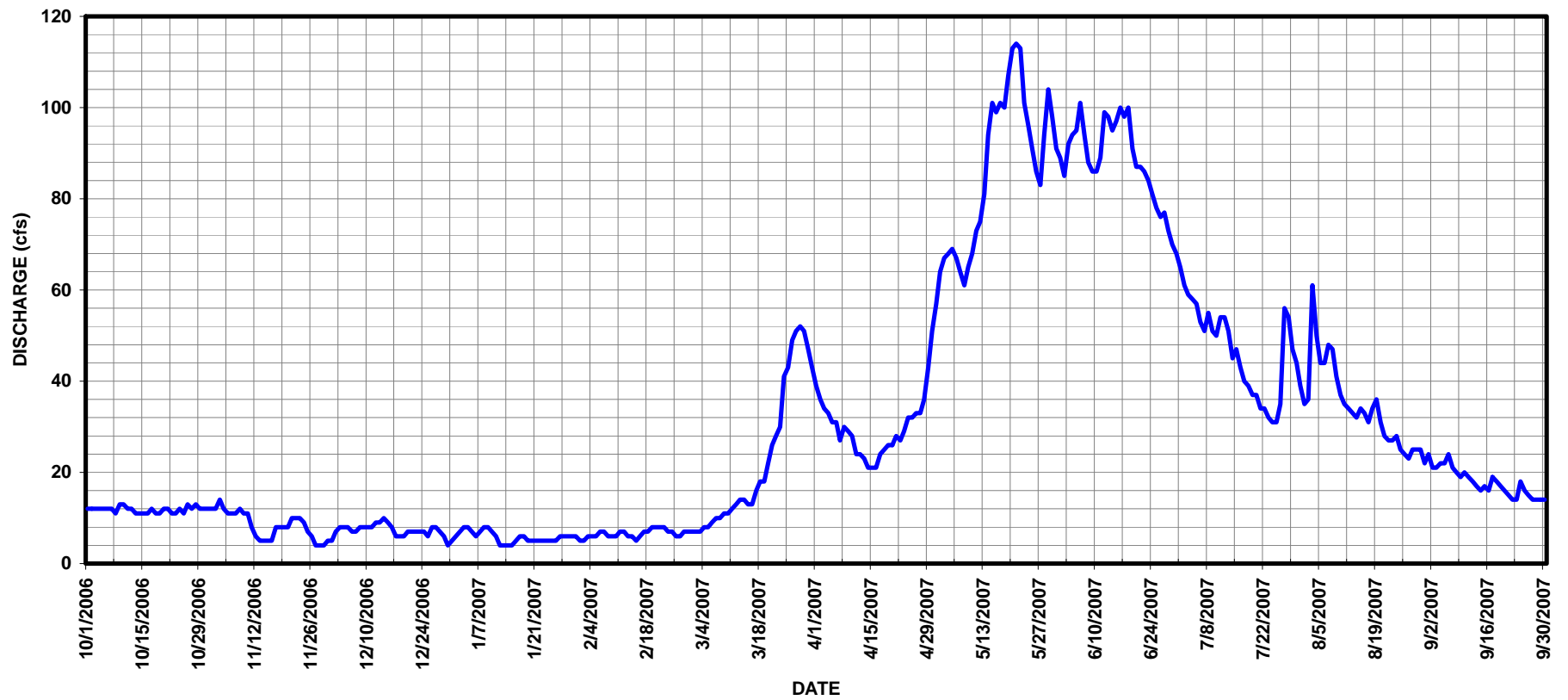
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	5.0	6.0	5.0	7.0	39	57	89	65	35	24
2	12	12	7.0	7.0	5.0	7.0	36	64	85	61	36	21
3	12	14	8.0	8.0	6.0	7.0	34	67	92	59	61	21
4	12	12	8.0	8.0	6.0	8.0	33	68	94	58	50	22
5	12	11	8.0	7.0	6.0	8.0	31	69	95	57	44	22
6	12	11	7.0	6.0	7.0	9.0	31	67	101	53	44	24
7	12	11	7.0	7.0	7.0	10	27	64	94	51	48	21
8	11	12	8.0	8.0	6.0	10	30	61	88	55	47	20
9	13	11	8.0	8.0	6.0	11	29	65	86	51	41	19
10	13	11	8.0	7.0	6.0	11	28	68	86	50	37	20
11	12	8.0	8.0	6.0	7.0	12	24	73	89	54	35	19
12	12	6.0	9.0	4.0	7.0	13	24	75	99	54	34	18
13	11	5.0	9.0	4.0	6.0	14	23	81	98	51	33	17
14	11	5.0	10	4.0	6.0	14	21	94	95	45	32	16
15	11	5.0	9.0	4.0	5.0	13	21	101	97	47	34	17
16	11	5.0	8.0	5.0	6.0	13	21	99	100	43	33	16
17	12	8.0	6.0	6.0	7.0	16	24	101	98	40	31	19
18	11	8.0	6.0	6.0	7.0	18	25	100	100	39	34	18
19	11	8.0	6.0	5.0	8.0	18	26	107	91	37	36	17
20	12	8.0	7.0	5.0	8.0	22	26	113	87	37	31	16
21	12	10	7.0	5.0	8.0	26	28	114	87	34	28	15
22	11	10	7.0	5.0	8.0	28	27	113	86	34	27	14
23	11	10	7.0	5.0	7.0	30	29	101	84	32	27	14
24	12	9.0	7.0	5.0	7.0	41	32	96	81	31	28	18
25	11	7.0	6.0	5.0	6.0	43	32	91	78	31	25	16
26	13	6.0	8.0	5.0	6.0	49	33	86	76	35	24	15
27	12	4.0	8.0	6.0	7.0	51	33	83	77	56	23	14
28	13	4.0	7.0	6.0	7.0	52	36	94	73	54	25	14
29	12	4.0	6.0	6.0	---	51	43	104	70	47	25	14
30	12	5.0	4.0	6.0	---	47	51	98	68	44	25	14
31	12	---	5.0	6.0	---	43	---	91	---	39	22	---
TOTAL	366	252.0	224.0	181.0	183.0	702.0	897	2665	2644	1444	1055	535
MEAN	11.8	8.40	7.23	5.84	6.54	22.6	29.9	86.0	88.1	46.6	34.0	17.8
AC-FT	726	500	444	359	363	1390	1780	5290	5240	2860	2090	1060
MAX	13	14	10	8.0	8.0	52	51	114	101	65	61	24
MIN	11	4.0	4.0	4.0	5.0	7.0	21	57	68	31	22	14

CAL YR	2006	TOTAL	5826.3	MEAN	16.0	MAX	101	MIN	3	AC-FT	11560
WTR YR	2007	TOTAL	11148	MEAN	30.5	MAX	114	MIN	4	AC-FT	22110

MAX DISCH: 121 CFS AT 00:30 ON May. 20, 2007 GH 4.44 FT. SHIFT 0.01 FT.
MAX GH: 4.44 FT. AT 00:30 ON May. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO

LOCATION.--Lat 40°25'10", long 105°14'45", NW¼NW¼ sec. 9, T.5 N., R.70 W., Larimer County. Diverts water from Big Thompson River and Transmountain diversions from Colorado River basin to Hansen Feeder Canal.

GAGE.--Steven's Type A graphical water-stage recorder and satellite monitoring Data Collection Platform (DCP) in a concrete shelter and well at a 8-foot concrete Parshall Flume. The Steven's recorder was removed and replaced with a Sutron Stage Discharge Recorder (SDR) on March 23, 2007. The primary reference gage is an electric tape gage located within the shelter. There is no supplemental gage. The station is maintained by Northern Colorado Water Conservancy District (NCWCD), United States Bureau of Reclamation (USBR), and Colorado Division of Water Resources (DWR) personnel.

REMARKS.--The primary record is hourly averages of 15-minute DCP data with chart and SDR data used as backup. Base gage and instruments are checked daily when tunnel is in operation by NCWCD personnel. The record is complete and reliable. The chart recorder and encoder do not achieve zero stage, presumably due to the stilling well inlet installation. Therefore, zero discharge is determined operationally, and confirmed by visits by NCWCD and DWR personnel and USBR water orders. Record is good. Flow at station is intermittent dependent on river flows, water orders, and other regulations. Station maintained and record developed by Russell Stroud.

RATING TABLE.--STD08FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

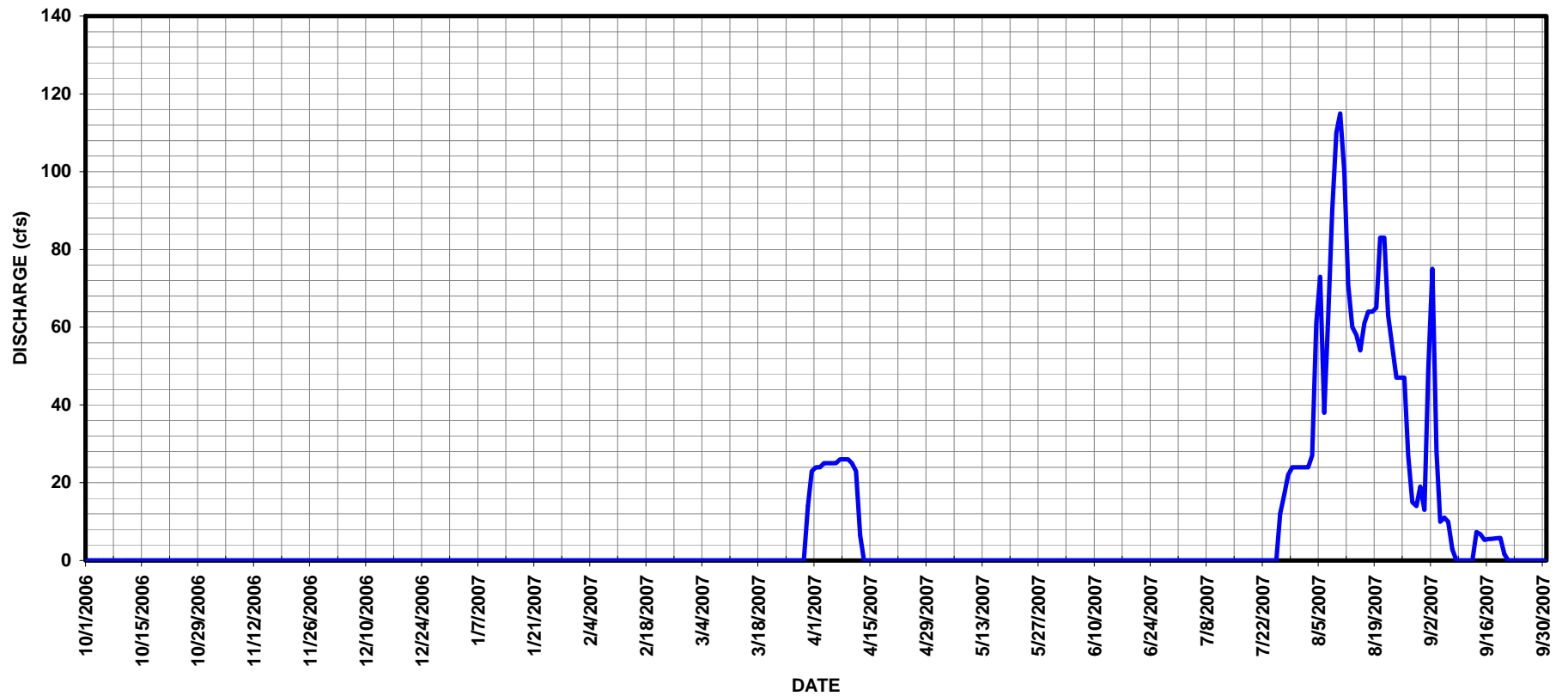
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	24	0	0	0	24	49
2	0	0	0	0	0	0	24	0	0	0	24	75
3	0	0	0	0	0	0	25	0	0	0	27	28
4	0	0	0	0	0	0	25	0	0	0	61	10
5	0	0	0	0	0	0	25	0	0	0	73	11
6	0	0	0	0	0	0	25	0	0	0	38	10
7	0	0	0	0	0	0	26	0	0	0	62	2.9
8	0	0	0	0	0	0	26	0	0	0	90	0
9	0	0	0	0	0	0	26	0	0	0	110	0
10	0	0	0	0	0	0	25	0	0	0	115	0
11	0	0	0	0	0	0	23	0	0	0	100	0
12	0	0	0	0	0	0	6.5	0	0	0	71	0
13	0	0	0	0	0	0	0	0	0	0	60	7.3
14	0	0	0	0	0	0	0	0	0	0	58	6.8
15	0	0	0	0	0	0	0	0	0	0	54	5.3
16	0	0	0	0	0	0	0	0	0	0	61	5.5
17	0	0	0	0	0	0	0	0	0	0	64	5.6
18	0	0	0	0	0	0	0	0	0	0	64	5.7
19	0	0	0	0	0	0	0	0	0	0	65	5.8
20	0	0	0	0	0	0	0	0	0	0	83	1.6
21	0	0	0	0	0	0	0	0	0	0	83	0
22	0	0	0	0	0	0	0	0	0	0	63	0
23	0	0	0	0	0	0	0	0	0	0	55	0
24	0	0	0	0	0	0	0	0	0	0	47	0
25	0	0	0	0	0	0	0	0	0	0	47	0
26	0	0	0	0	0	0	0	0	0	12	47	0
27	0	0	0	0	0	0	0	0	0	17	27	0
28	0	0	0	0	0	0	0	0	0	22	15	0
29	0	0	0	0	---	0	0	0	0	24	14	0
30	0	0	0	0	---	14	0	0	0	24	19	0
31	0	---	0	0	---	23	---	0	---	24	13	---
TOTAL	0	0	0	0	0	37	280.5	0	0	123	1734	229.5
MEAN	0	0	0	0	0	1.19	9.35	0	0	3.97	55.9	7.65
AC-FT	0	0	0	0	0	73	556	0	0	244	3440	455
MAX	0	0	0	0	0	23	26	0	0	24	115	75
MIN	0	0	0	0	0	0	0	0	0	0	13	0

CAL YR	2006	TOTAL	11640.7	MEAN	31.9	MAX	384	MIN	0	AC-FT	23090
WTR YR	2007	TOTAL	2404	MEAN	6.59	MAX	115	MIN	0	AC-FT	4770

MAX DISCH: 118 CFS AT 08:45 ON Aug. 9, 2007 GH 2.25 FT. SHIFT 0 FT.
MAX GH: 2.25 FT. AT 08:45 ON Aug. 9, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06738000 BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE, CO

LOCATION.--Lat 40°25'18", long 105°13'34", in SW¼SW¼ sec. 3, T,5 N., R.70 W., Larimer County, Hydrologic Unit 10190006, on right bank at mouth of canyon, 400 ft upstream from Handy Ditch diversion dam, and 6.0 mi east of Drake.

DRAINAGE AREA AND PERIOD OF RECORD.--305 mi²; 1927-1933, 1938 to present.

GAGE.--Steven's Type A graphical water-stage recorder and satellite monitoring Data Collection Platform (DCP) with incremental shaft encoder in a 5-foot by 6-foot pre-cast concrete shelter at concrete control section. The chart recorder and shaft encoder are activated by a Stacom manometer. An outside wire-weight is used as base gage. The gage is used by United States Bureau of Reclamation (USBR), Northern Colorado Water Conservancy District (NCWCD), Colorado Division of Water Resources (DWR) and Home Supply Ditch personnel.

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart back up. The chart does not operate independently from the DCP, but chart data are used to fill in when the DCP data are missed for any reason, or if the encoder slips its chain drive from the manometer. The record is complete, reliable, and good, except as follows: November 1-3, 11-16, 18-20, 2006, when the stage discharge relationship affected by ice. Record is estimated and fair. November 8 and 17, 2006, when the manometer stage was determined to be in error (unknown cause). Record is estimated and fair. November 22, 2006 to March 15, 2007, when the station was closed for winter. No gage-height record. Record is estimated and poor. Partial day record on November 22, 2006 and March 15, 2007. Record is estimated and fair. May 30 to June 1, 2007, when the nitrogen regulator failed and manometer readings are questionable. Record is fair. September 1-3, 10-12, 2007, when the manometer failed. Both DCP and chart records were erroneous. Record is estimated and poor. Station maintained and record developed by Russell Stroud.

RATING TABLE.--BTCANYCO16 USED FROM 01-OCT-2006 TO 30-SEPT-2007

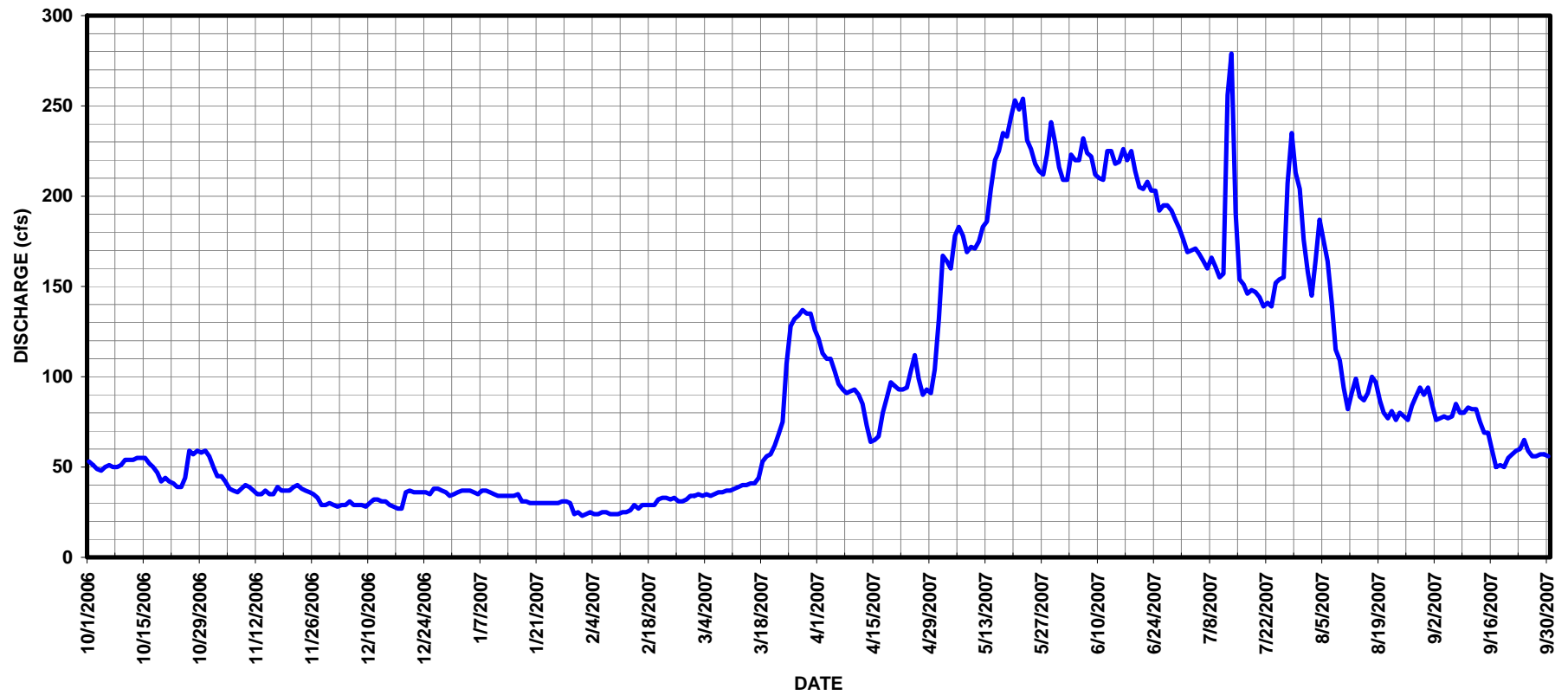
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	50	29	36	23	34	121	132	209	176	158	85
2	51	45	28	37	24	35	113	167	209	169	145	76
3	49	45	29	37	25	34	110	164	223	170	165	77
4	48	42	29	37	24	35	110	160	220	171	187	78
5	50	38	31	36	24	34	103	178	220	168	175	77
6	51	37	29	35	25	35	96	183	232	164	164	78
7	50	36	29	37	25	36	93	178	224	160	141	85
8	50	38	29	37	24	36	91	169	222	166	115	80
9	51	40	28	36	24	37	92	172	212	161	109	80
10	54	39	30	35	24	37	93	171	210	155	94	83
11	54	37	32	34	25	38	90	175	209	157	82	82
12	54	35	32	34	25	39	85	183	225	256	91	82
13	55	35	31	34	26	40	73	186	225	279	99	75
14	55	37	31	34	29	40	64	204	218	191	89	69
15	55	35	29	34	27	41	65	220	219	154	87	69
16	52	35	28	35	29	41	67	225	226	151	91	59
17	50	39	27	31	29	44	80	235	220	146	100	50
18	47	37	27	31	29	53	88	233	225	148	97	51
19	42	37	36	30	29	56	97	244	214	147	87	50
20	44	37	37	30	32	57	95	253	205	144	80	55
21	42	39	36	30	33	62	93	248	204	139	77	57
22	41	40	36	30	33	68	93	254	208	141	81	59
23	39	38	36	30	32	75	94	231	203	139	76	60
24	39	37	36	30	33	107	103	226	203	152	80	65
25	44	36	35	30	31	128	112	218	192	154	78	59
26	59	35	38	30	31	132	99	214	195	155	76	56
27	57	33	38	31	32	134	90	212	195	207	84	56
28	59	29	37	31	34	137	93	223	192	235	89	57
29	58	29	36	30	---	135	91	241	187	213	94	57
30	59	30	34	24	---	135	104	230	182	204	90	56
31	56	---	35	25	---	126	---	216	---	176	94	---
TOTAL	1568	1120	998	1011	781	2041	2798	6345	6328	5348	3275	2023
MEAN	50.6	37.3	32.2	32.6	27.9	65.8	93.3	205	211	173	106	67.4
AC-FT	3110	2220	1980	2010	1550	4050	5550	12590	12550	10610	6500	4010
MAX	59	50	38	37	34	137	121	254	232	279	187	85
MIN	39	29	27	24	23	34	64	132	182	139	76	50
CAL YR 2006	TOTAL	20193	MEAN	55.3	MAX	402	MIN	23	AC-FT	40050		
WTR YR 2007	TOTAL	33636	MEAN	92.2	MAX	279	MIN	23	AC-FT	66720		

MAX DISCH: 338 CFS AT 12:15 ON May. 29, 2007 GH 3.25 FT. SHIFT 0 FT.
MAX GH: 3.25 FT. AT 12:15 ON May. 29, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06738000 BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

BUCKHORN CREEK NEAR MASONVILLE, CO

LOCATION.--Lat 40°26'04", long 105°10'47", just downstream from Larimer County Road 24H bridge over Buckhorn Creek.

DRAINAGE AREA.--140mi².

GAGE.--A-35 Stevens recorder and Data Collection Platform (DCP) with shaft encoder in a wooden shelter and stilling well. Primary reference gage is an electric tape gage inside the shelter.

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart back up. Daily maximum and minimum stages for the satellite record checked to within +0.02 ft. with the chart. The record is complete and reliable, except for for January 13-17, 2007, when the station was shut down due to ice, and December 20-21, 2006, and February 1-3, 2007, which were ice affected.. The record is good, except for periods of no gage height and ice affected record, which are estimated and rated poor to fair. Station maintained and record developed by Mark Simpson.

RATING TABLE.--BUCRMVCO07 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

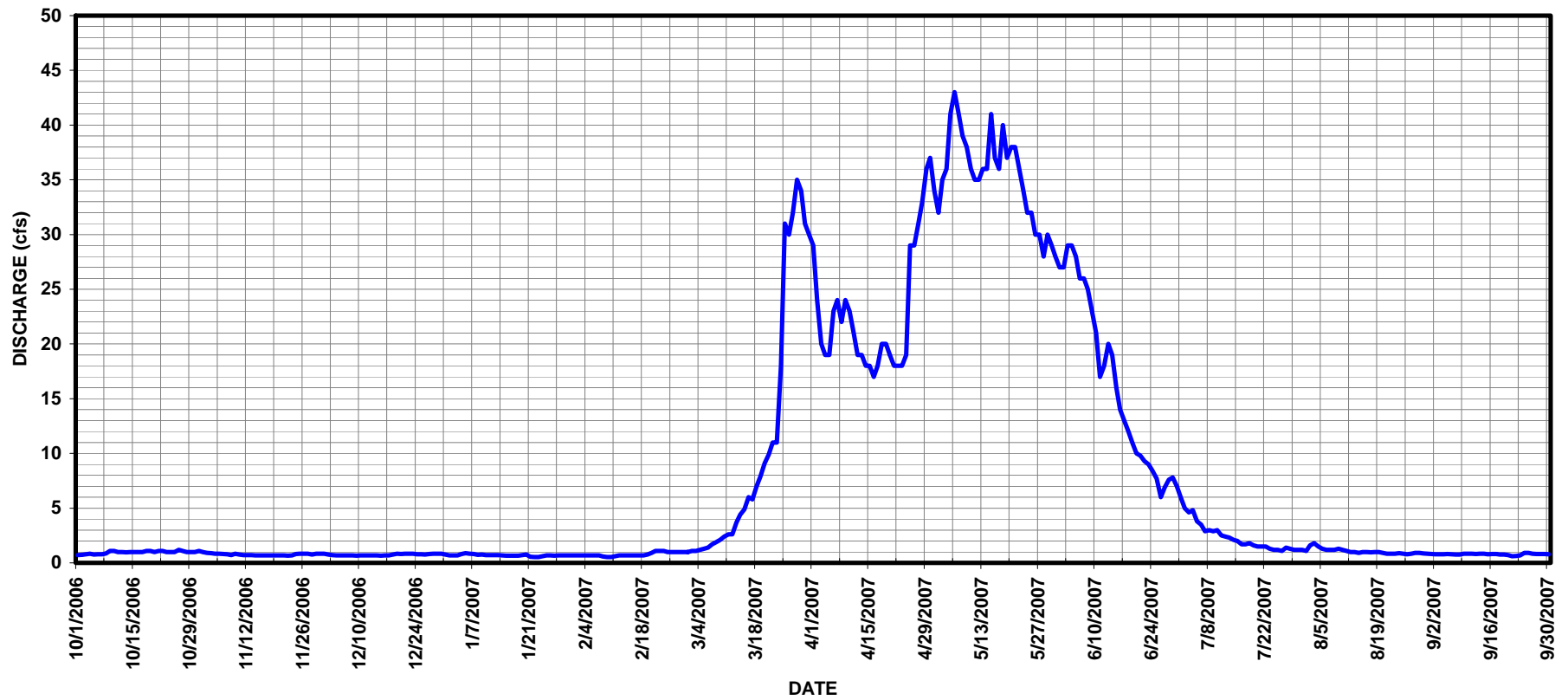
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	.98	.83	.69	.68	.98	29	34	27	5.9	1.1	.82
2	.74	.92	.75	.69	.68	1.1	24	32	27	5.0	1.6	.79
3	.79	.89	.72	.69	.68	1.1	20	35	29	4.6	1.8	.79
4	.83	.83	.68	.82	.68	1.2	19	36	29	4.8	1.5	.78
5	.77	.83	.68	.88	.68	1.3	19	41	28	3.8	1.3	.80
6	.78	.82	.68	.83	.68	1.4	23	43	26	3.5	1.2	.79
7	.79	.78	.68	.80	.68	1.7	24	41	26	2.9	1.2	.77
8	.86	.70	.68	.74	.57	1.9	22	39	25	3.0	1.2	.77
9	1.1	.83	.65	.77	.53	2.1	24	38	23	2.9	1.3	.83
10	1.1	.75	.68	.70	.53	2.4	23	36	21	3.0	1.2	.84
11	.98	.71	.68	.72	.61	2.6	21	35	17	2.5	1.1	.83
12	.98	.71	.68	.72	.68	2.6	19	35	18	2.4	1.0	.80
13	.97	.71	.68	.70	.68	3.7	19	36	20	2.3	.99	.83
14	.98	.68	.68	.68	.68	4.4	18	36	19	2.1	.92	.83
15	.98	.68	.67	.67	.68	4.9	18	41	16	2.0	1.0	.79
16	.98	.68	.68	.66	.69	6.0	17	37	14	1.7	1.0	.82
17	1.0	.69	.68	.65	.68	5.8	18	36	13	1.7	.97	.81
18	1.1	.68	.75	.65	.68	7.0	20	40	12	1.8	1.0	.76
19	1.1	.68	.83	.72	.77	7.9	20	37	11	1.6	1.0	.77
20	1.0	.68	.82	.77	.92	9.1	19	38	10	1.5	.90	.72
21	1.1	.68	.83	.55	1.1	9.9	18	38	9.8	1.5	.83	.62
22	1.1	.67	.83	.53	1.1	11	18	36	9.3	1.5	.83	.64
23	.98	.68	.83	.53	1.1	11	18	34	9.0	1.3	.83	.68
24	.98	.82	.79	.60	1.0	18	19	32	8.4	1.2	.89	.90
25	.98	.83	.79	.68	1.0	31	29	32	7.7	1.2	.83	.90
26	1.2	.83	.75	.68	.98	30	29	30	6.0	1.1	.78	.83
27	1.1	.83	.82	.67	.98	32	31	30	6.9	1.4	.83	.82
28	.98	.77	.84	.68	1.0	35	33	28	7.6	1.3	.92	.81
29	.98	.83	.83	.68	---	34	36	30	7.8	1.2	.91	.82
30	1.0	.83	.83	.68	---	31	37	29	7.0	1.2	.85	.79
31	1.1	---	.75	.68	---	30	---	28	---	1.2	.83	---
TOTAL	30.03	23.00	23.07	21.51	21.72	342.08	684	1093	490.5	73.1	32.61	23.75
MEAN	.97	.77	.74	.69	.78	11.0	22.8	35.3	16.4	2.36	1.05	.79
AC-FT	60	46	46	43	43	679	1360	2170	973	145	65	47
MAX	1.2	.98	.84	.88	1.1	35	37	43	29	5.9	1.8	.90
MIN	.70	.67	.65	.53	.53	.98	17	28	6.0	1.1	.78	.62

CAL YR	2006	TOTAL	448	MEAN	1.23	MAX	4.20	MIN	0.44	AC-FT	889
WTR YR	2007	TOTAL	2860	MEAN	7.83	MAX	43.0	MIN	0.53	AC-FT	5670

MAX DISCH: 46.9 CFS AT 09:15 ON May. 15, 2007 GH 5.49 FT. SHIFT -0.08 FT.
MAX GH: 5.49 FT. AT 09:15 ON May. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BUCKHORN CREEK NEAR MASONVILLE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE, CO

LOCATION.--Lat 40°25'20", long 105°13'33", SW¼SW¼ sec. 3, T.5 N., T.70 W., Larimer County.

GAGE.--Steven's A-35 continuous water-stage recorder and a high data rate 8210 data collection platform (DCP) with shaft encoder in a 4 ft x 4 ft pre-cast concrete shelter and concrete well. An electric tape gage is the primary reference with no supplemental staff gage. AC power is available at the gage and heaters are used to keep the stilling well from freezing in winter months. Station is maintained in cooperation with the State of Colorado Division of Water Resources (DWR), United States Bureau of Reclamation (USBR) and Northern Colorado Water Conservancy District (NCWCD). This gage is part of the Colorado Big Thompson (C-BT) project. The Steven's A-35 was removed on March 30, 2007 and replaced with a Sutron Stage Discharge Recorder (SDR).

REMARKS.--The primary record is hourly averages of 15-minute DCP data with chart and SDR record as backup. The record is complete and reliable, except for January 12-16 and 21, 2007, when the stilling well was frozen. The record is good, except the periods when the stilling well froze, which is estimated and fair. Station maintained and record developed by Russell Stroud.

RATING TABLE.--HFCBBSCO17 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

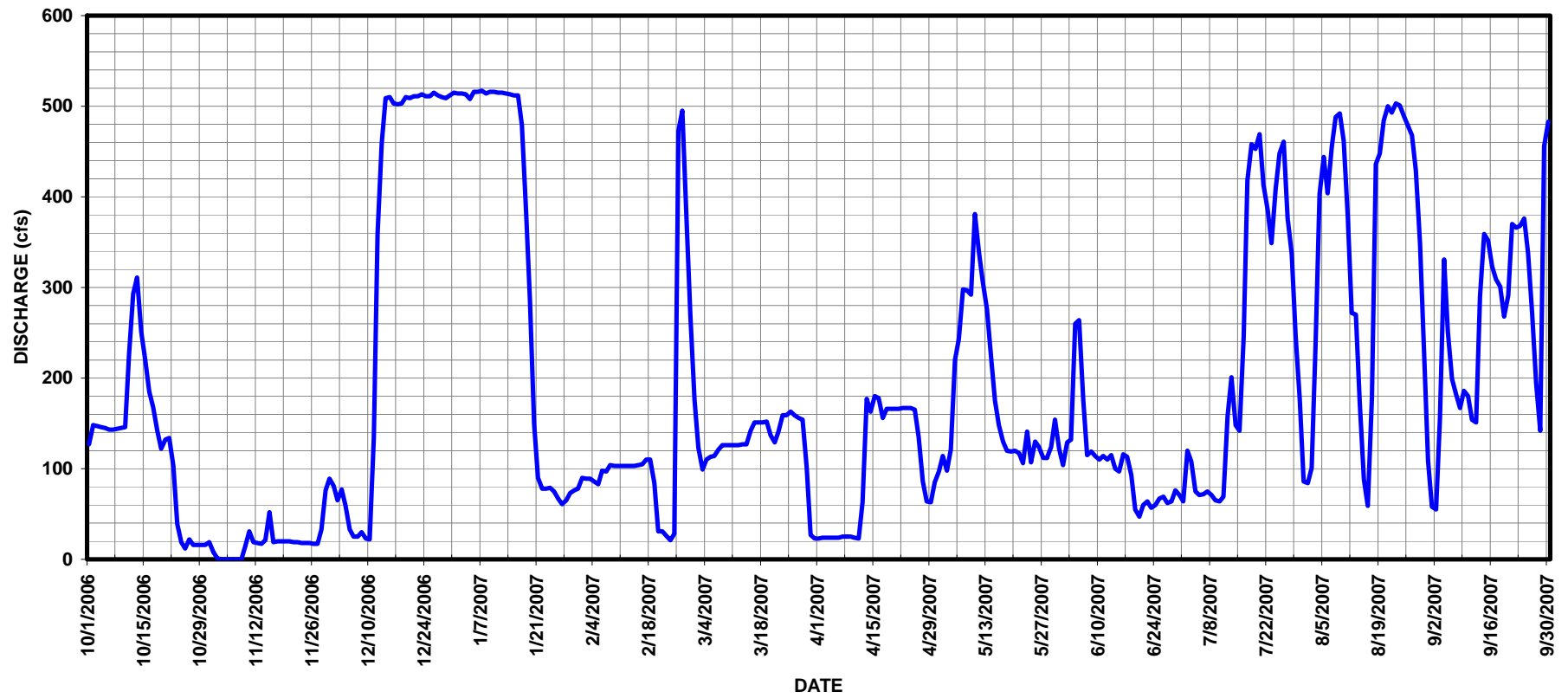
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	7.9	81	514	90	176	23	97	104	64	84	58
2	148	1.1	65	514	89	123	24	114	129	120	101	55
3	147	0	77	513	89	99	24	98	132	108	242	156
4	146	0	59	508	86	110	24	121	260	75	403	331
5	145	0	33	516	83	113	24	220	264	71	444	251
6	143	0	25	516	98	114	24	243	176	72	404	199
7	143	0	25	517	97	121	25	298	115	75	455	183
8	144	0	30	514	104	126	25	297	119	71	488	167
9	145	15	23	516	103	126	25	292	114	65	492	186
10	146	31	22	516	103	126	24	381	110	64	462	180
11	226	19	134	515	103	126	23	339	114	69	377	154
12	293	18	359	515	103	126	63	306	110	158	272	151
13	311	17	459	514	103	127	177	276	115	201	270	290
14	251	21	509	513	103	127	163	226	100	148	173	359
15	221	52	510	512	104	142	180	175	97	142	88	352
16	185	19	503	512	105	151	178	148	116	245	59	323
17	168	20	502	479	110	151	156	130	113	418	179	309
18	142	20	503	384	110	151	166	120	93	458	436	301
19	122	20	510	286	84	152	166	119	55	453	448	268
20	132	20	509	150	31	137	166	120	47	469	484	291
21	134	19	511	90	31	129	166	117	60	413	500	370
22	103	19	511	78	26	141	167	106	64	386	493	366
23	39	18	513	78	21	159	167	141	57	349	503	368
24	19	18	511	79	28	159	167	107	60	409	501	376
25	12	18	511	75	473	163	165	130	67	448	489	338
26	22	17	515	67	495	159	135	124	69	461	479	270
27	16	17	512	61	376	156	86	112	62	377	468	195
28	16	33	510	65	269	154	64	112	64	337	429	142
29	16	76	509	73	---	101	63	124	76	247	349	456
30	16	89	512	76	---	27	85	154	71	176	234	483
31	19	---	515	78	---	23	---	122	---	86	109	---
TOTAL	3897	605.0	10568	10344	3617	3995	2945	5469	3133	7235	10915	7928
MEAN	126	20.2	341	334	129	129	98.2	176	104	233	352	264
AC-FT	7730	1200	20960	20520	7170	7920	5840	10850	6210	14350	21650	15730
MAX	311	89	515	517	495	176	180	381	264	469	503	483
MIN	12	0	22	61	21	23	23	97	47	64	59	55

CAL YR	2006	TOTAL	71474	MEAN	196	MAX	515	MIN	0	AC-FT	141800
WTR YR	2007	TOTAL	70651	MEAN	194	MAX	517	MIN	0	AC-FT	140100

MAX DISCH: 521 CFS AT 16:15 ON Dec. 26, 2006 GH 6.47 FT. SHIFT 0 FT.
MAX GH: 6.47 FT. AT 16:15 ON Dec. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06738100 CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE, CO

LOCATION.--Lat 40°25'11", long 105°13'30", NE¼NW¼ sec. 10, T.5 N., R.70 W., Larimer County.

GAGE.--Incremental shaft encoder and weather station connected to a high data rate Data Collection Platform (DCP) in a 4 ft x 4 ft precast concrete shelter and concrete well at a 15-foot modified concrete Parshall Flume. An electric drop tape located in the shelter serves as the primary reference with a supplemental outside staff gage located on the left wing-wall. AC power is available on site. On April 19, 2007 a Sutron Stage Discharge Recorder (SDR) was installed as backup. Data are also transmitted to a Supervisory Control And Data Acquisition (SCADA) system via 4-20 mA output to the Loveland Control Center (LCC). This gage is operated in cooperation with Colorado Division of Water Resources (DWR), United States Bureau of Reclamation (USBR) and Northern Colorado Water Conservancy District (NCWCD) as part of the Colorado Big Thompson (C-BT) project.

REMARKS.--The primary record is hourly averages of 15-minute DCP data with the SDR data as backup. The record is complete and reliable, except for the following periods: October 9-11, 2006, due to DCP failure. USBR provided accounting average discharge values used from SCADA. December 12-18, 2006, due to erroneous gage-height values assumed to be due to ice in the stilling well. USBR accounting shows no flow during this period and gage-height values are below 0.06 feet of stage. February 17, 24, March 9-12, April 7, 2007, missing data values interpolated from surrounding good data. USBR accounting showed no flow during this period. Two hourly values on June 13, 2007 are erroneous. Both the DCP and SDR suffered a failure. Values were interpolated from surrounding good record. May 13 July 11 August 3, 4, 31, 2007, when daily maximum/minimum between DCP and SDR record showed disagreement. Values were edited to the greater/lesser value without loss of accuracy since the average gage-heights agreed. Disagreement is due to the sampling interval and the rapid rise and fall nature of this structure. The waste way serves as both a safety valve and delivery system returning water back to the Big Thompson River. Record is good. Station maintained by NCWCD, USBR, and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

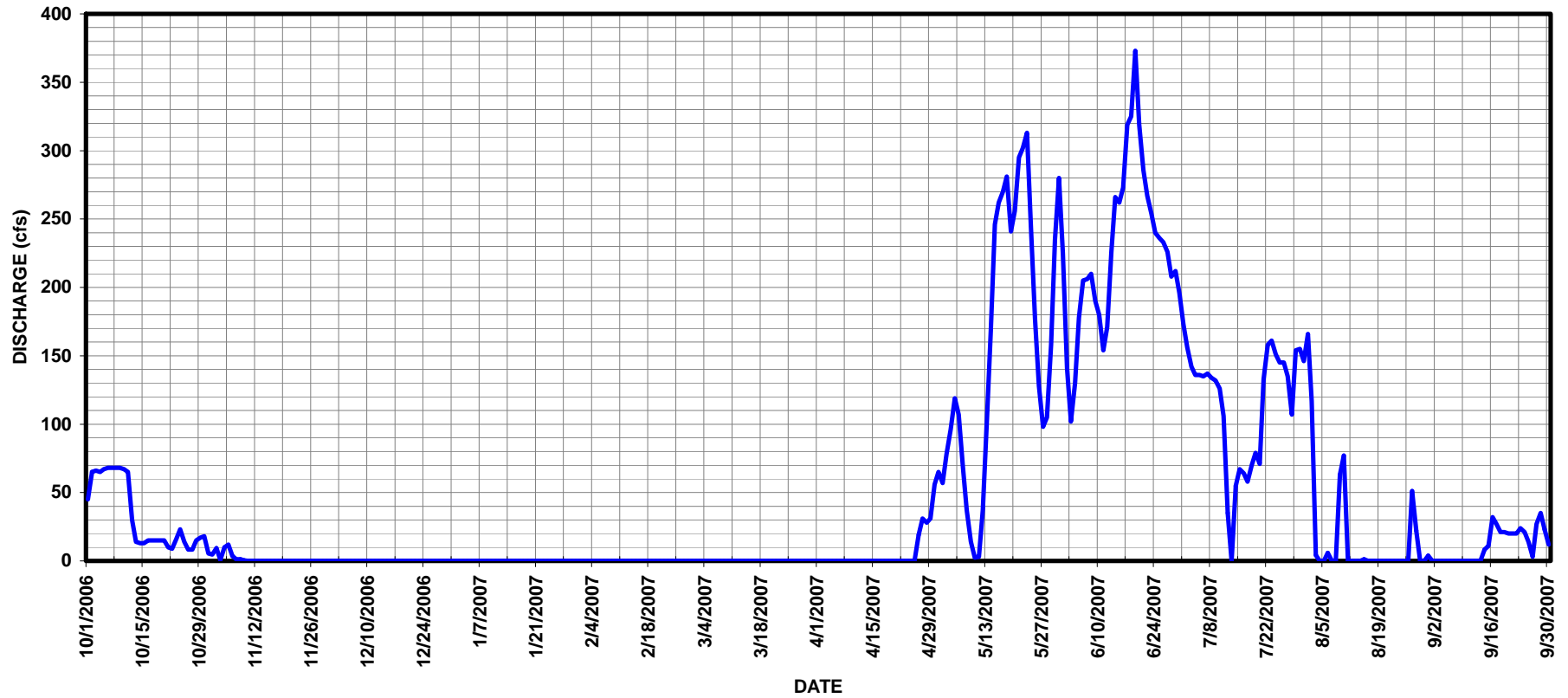
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	4.6	0	0	0	0	0	65	225	173	166	0
2	65	9.4	0	0	0	0	0	57	141	156	117	0
3	66	.72	0	0	0	0	0	78	102	142	4.2	0
4	65	9.9	0	0	0	0	0	96	130	136	0	0
5	67	12	0	0	0	0	0	119	178	136	0	0
6	68	3.7	0	0	0	0	0	107	205	135	5.9	0
7	68	1.2	0	0	0	0	0	69	206	137	0	0
8	68	1.2	0	0	0	0	0	37	210	134	0	0
9	68	.46	0	0	0	0	0	14	190	132	63	0
10	67	0	0	0	0	0	0	2.5	180	126	77	0
11	65	0	0	0	0	0	0	3.1	154	106	0	0
12	30	0	0	0	0	0	0	37	171	35	0	0
13	14	0	0	0	0	0	0	104	226	0	0	0
14	13	0	0	0	0	0	0	169	266	55	0	8.3
15	13	0	0	0	0	0	0	246	262	67	1.2	11
16	15	0	0	0	0	0	0	262	273	64	0	32
17	15	0	0	0	0	0	0	270	319	58	0	27
18	15	0	0	0	0	0	0	281	325	70	0	21
19	15	0	0	0	0	0	0	241	373	79	0	21
20	15	0	0	0	0	0	0	256	319	71	0	20
21	10	0	0	0	0	0	0	295	286	133	0	20
22	8.9	0	0	0	0	0	0	302	267	158	0	20
23	16	0	0	0	0	0	0	313	254	161	0	24
24	23	0	0	0	0	0	0	245	240	151	0	21
25	14	0	0	0	0	0	0	177	236	145	0	14
26	8.4	0	0	0	0	0	19	128	233	145	0	3.1
27	8.4	0	0	0	0	0	31	98	226	135	51	27
28	15	0	0	0	0	0	28	105	208	107	22	35
29	17	0	0	0	---	0	31	158	212	154	0	23
30	18	0	0	0	---	0	56	235	196	155	0	12
31	5.4	---	0	0	---	0	---	280	---	146	3.9	---
TOTAL	1001.1	43.18	0	0	0	0	165	4849.6	6813	3602	511.2	339.4
MEAN	32.3	1.44	0	0	0	0	5.50	156	227	116	16.5	11.3
AC-FT	1990	86	0	0	0	0	327	9620	13510	7140	1010	673
MAX	68	12	0	0	0	0	56	313	373	173	166	35
MIN	5.4	0	0	0	0	0	0	2.5	102	0	0	0

CAL YR	2006	TOTAL	3711.48	MEAN	10.2	MAX	396	MIN	0	AC-FT	7360
WTR YR	2007	TOTAL	17324.48	MEAN	47.5	MAX	373	MIN	0	AC-FT	34360

MAX DISCH: 398 CFS AT 10:00 ON Jun. 19, 2007 GH 3.22 FT. SHIFT 0 FT.
MAX GH: 3.22 FT. AT 10:00 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06738100 CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06738100 CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER
NEAR DRAKE, CO

LOCATION.--Lat 40°25'15", long 105°13'30", NE¼NW¼ sec. 10, T.5 N., R.70 W., Larimer County.

GAGE.--Graphic discharge recorder and 8210 Data Collection Platform (DCP) connected to a flow meter directly connected to the power turbine. The graphic recorder was not put into use this year as per agreement with the Colorado Division of Water Resources (DWR) and the United States Bureau of Reclamation (USBR). This gage is operated in cooperation of DWR and USBR personnel.

REMARKS.--The primary record is fifteen minute discharge data reported by the ultrasonic flow meter which is collected by the DCP. The record is complete and reliable, except for November 7, 2006 to April 17, 2007, when the power plant and DCP were shut off for the winter and two hourly values on August 6, 2007, of unknown cause. The record is good. On July 30 and 31, 2007, attempts to start generation occurred. Hourly computed discharge for these attempts were zeroed as no confirmable amount of water actually passed the gage and the record for these days is considered fair. In agreement with DWR and USBR, the gage will continue to transmit over the winter while the power plant is offline. Station maintained by USBR and record developed by Russell Stroud.

RATING TABLE.--STCONVERT USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

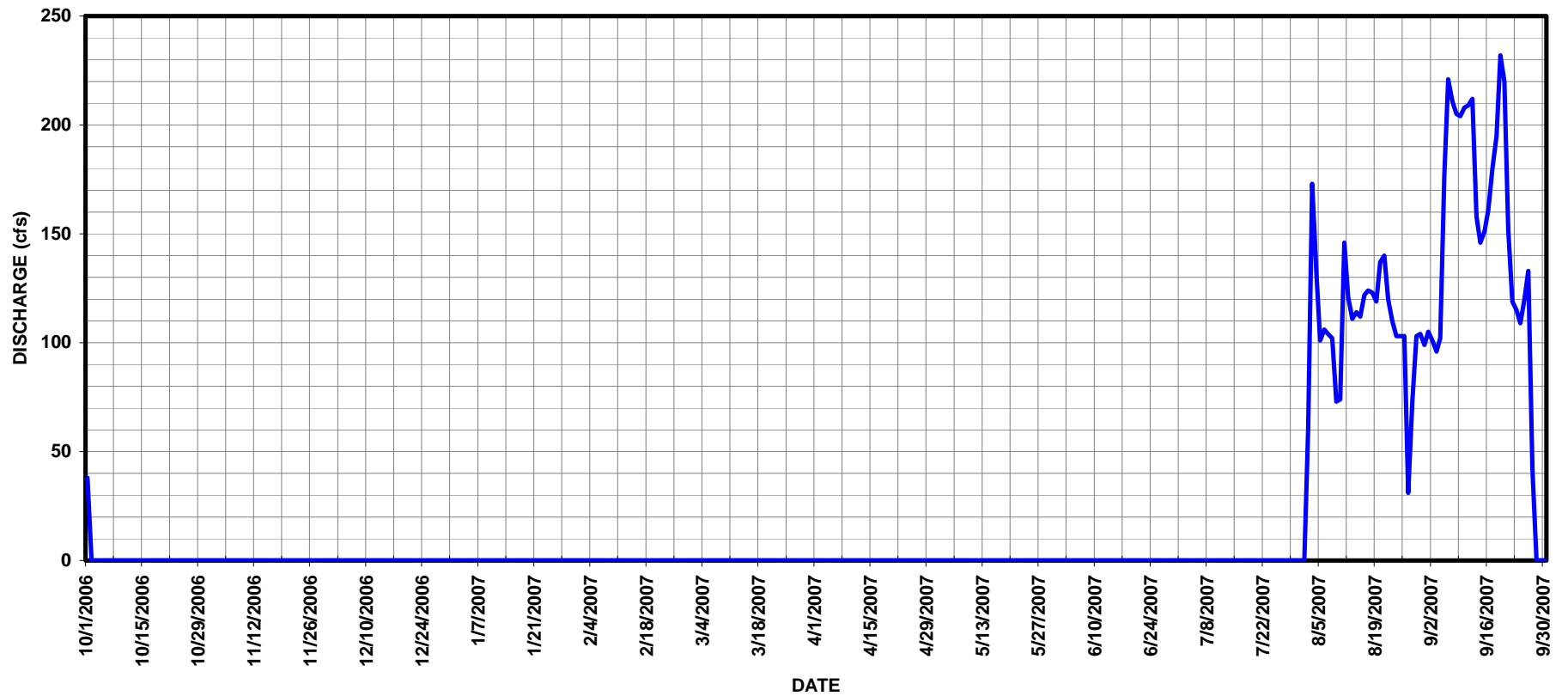
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	0	0	0	0	0	0	0	0	0	0	105
2	0	0	0	0	0	0	0	0	0	0	61	101
3	0	0	0	0	0	0	0	0	0	0	173	96
4	0	0	0	0	0	0	0	0	0	0	133	102
5	0	0	0	0	0	0	0	0	0	0	101	177
6	0	0	0	0	0	0	0	0	0	0	106	221
7	0	0	0	0	0	0	0	0	0	0	104	211
8	0	0	0	0	0	0	0	0	0	0	102	205
9	0	0	0	0	0	0	0	0	0	0	73	204
10	0	0	0	0	0	0	0	0	0	0	74	208
11	0	0	0	0	0	0	0	0	0	0	146	209
12	0	0	0	0	0	0	0	0	0	0	121	212
13	0	0	0	0	0	0	0	0	0	0	111	158
14	0	0	0	0	0	0	0	0	0	0	114	146
15	0	0	0	0	0	0	0	0	0	0	112	151
16	0	0	0	0	0	0	0	0	0	0	122	161
17	0	0	0	0	0	0	0	0	0	0	124	180
18	0	0	0	0	0	0	0	0	0	0	123	195
19	0	0	0	0	0	0	0	0	0	0	119	232
20	0	0	0	0	0	0	0	0	0	0	137	220
21	0	0	0	0	0	0	0	0	0	0	140	152
22	0	0	0	0	0	0	0	0	0	0	120	119
23	0	0	0	0	0	0	0	0	0	0	110	115
24	0	0	0	0	0	0	0	0	0	0	103	109
25	0	0	0	0	0	0	0	0	0	0	103	120
26	0	0	0	0	0	0	0	0	0	0	103	133
27	0	0	0	0	0	0	0	0	0	0	31	42
28	0	0	0	0	0	0	0	0	0	0	73	0
29	0	0	0	0	---	0	0	0	0	0	103	0
30	0	0	0	0	---	0	0	0	0	0	104	0
31	0	---	0	0	---	0	---	0	---	0	99	---
TOTAL	38	0	0	0	0	0	0	0	0	0	3245	4284
MEAN	1.23	0	0	0	0	0	0	0	0	0	105	143
AC-FT	75	0	0	0	0	0	0	0	0	0	6440	8500
MAX	38	0	0	0	0	0	0	0	0	0	173	232
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	30429	MEAN	83.4	MAX	396	MIN	0	AC-FT	60360
WTR YR	2007	TOTAL	7567	MEAN	20.7	MAX	232	MIN	0	AC-FT	15010

MAX DISCH: 256 CFS AT 19:30 ON Sep. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06738100 CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER NEAR DRAKE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

LOCATION.--Lat 40°12'58", long 105°15'28", NE¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Steven's Type A graphical chart recorder and an incremental shaft encoder connected to a high data rate data collection platform (DCP) in a 6 ft x 8 ft concrete shelter at a 10 ft concrete Parshall Flume. The primary reference is an electric tape gage located in the shelter with a supplemental staff located at the H_a location on the right wing wall. The gage is operated in cooperation with Northern Colorado Water Conservancy District (NCWCD) and the State of Colorado Division of Water Resources (DWR).

REMARKS.--The primary record is the hourly averages of 15-minute DCP data with chart backup. The record is complete and reliable. The record is good. Water was delivered by NCWCD personnel October 1-31, 2006 and April 10, 2007 to September 30, 2007. November 1, 2006 to April 9, 2007 the station was off for the winter and no deliveries were made. Station maintained by NCWCD and DWR personnel and record developed by Russell Stroud.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	.21	0	0	0	0	0	.40	12	98	80	69
2	33	0	0	0	0	0	0	2.3	13	91	79	65
3	34	0	0	0	0	0	0	4.4	13	90	82	65
4	35	0	0	0	0	0	0	3.9	9.9	85	85	63
5	35	0	0	0	0	0	0	4.4	8.6	84	80	64
6	33	0	0	0	0	0	0	3.7	12	84	76	64
7	38	0	0	0	0	0	0	3.9	13	87	74	66
8	39	0	0	0	0	0	0	3.9	13	98	78	56
9	35	0	0	0	0	0	0	3.3	12	106	78	47
10	33	0	0	0	0	0	2.7	3.0	12	110	77	50
11	47	0	0	0	0	0	6.8	3.3	13	104	72	52
12	63	0	0	0	0	0	9.8	2.8	13	107	81	45
13	59	0	0	0	0	0	6.8	2.5	13	107	87	43
14	51	0	0	0	0	0	6.8	3.1	11	106	123	44
15	49	0	0	0	0	0	6.0	4.8	11	104	129	43
16	51	0	0	0	0	0	5.3	3.0	13	105	108	42
17	50	0	0	0	0	0	2.7	3.0	14	100	105	46
18	51	0	0	0	0	0	.12	3.9	10	90	96	49
19	51	0	0	0	0	0	2.9	3.6	12	90	92	48
20	46	0	0	0	0	0	.39	2.9	64	91	93	45
21	43	0	0	0	0	0	3.7	3.1	108	88	88	47
22	40	0	0	0	0	0	5.3	3.0	52	92	83	42
23	40	0	0	0	0	0	5.5	2.3	34	112	83	33
24	28	0	0	0	0	0	3.8	2.6	36	114	81	37
25	22	0	0	0	0	0	4.4	2.9	37	116	73	36
26	33	0	0	0	0	0	3.4	2.9	65	119	77	34
27	30	0	0	0	0	0	3.5	3.0	73	119	87	25
28	27	0	0	0	0	0	3.7	2.0	76	115	80	16
29	27	0	0	0	---	0	2.1	7.6	89	103	77	15
30	28	0	0	0	---	0	2.1	12	99	90	75	16
31	27	---	0	0	---	0	---	12	---	80	74	---
TOTAL	1212	.21	0	0	0	0	126.42	119.50	961.5	3085	2653	1367
MEAN	39.1	.007	0	0	0	0	4.21	3.85	32.0	99.5	85.6	45.6
AC-FT	2400	.4	0	0	0	0	251	237	1910	6120	5260	2710
MAX	63	.21	0	0	0	0	39	12	108	119	129	69
MIN	22	0	0	0	0	0	0	.40	8.6	80	72	15

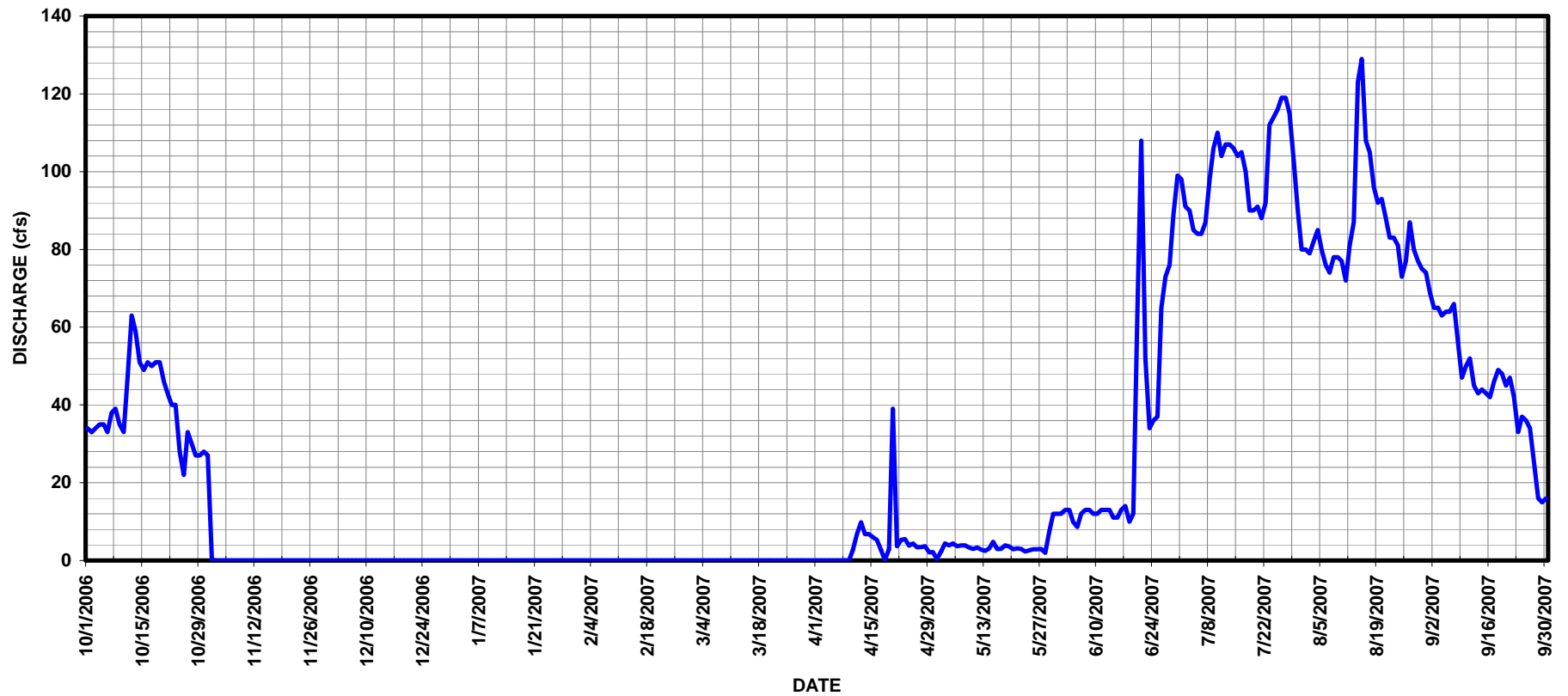
CAL YR	2006	TOTAL	17129.71	MEAN	46.9	MAX	187	MIN	0	AC-FT	33980
WTR YR	2007	TOTAL	9524.63	MEAN	26.1	MAX	129	MIN	0	AC-FT	18890

MAX DISCH: 157 CFS AT 16:45 ON Aug. 14, 2007 GH 2.34 FT. SHIFT 0 FT.

MAX GH: 2.34 FT. AT 16:45 ON Aug. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BOULDER CREEK FEEDER CANAL NEAR LYONS CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL NEAR LYONS, CO

LOCATION.--Lat 40°13'05", long 105°15'35", NE¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Steven's type A graphical water-stage recorder, satellite monitoring data collection platform (DCP) and two incremental shaft encoders in a 36-inch corrugated metal pipe shelter and stilling well at a concrete 15-foot Parshall Flume. An electric tape gage located in the shelter is the base gage with a supplemental staff located on the right wing wall at the H_a location. The gage is operated in cooperation with Northern Colorado Water Conservancy District (NCWCD) and the State of Colorado Division of Water Resources (DWR).

REMARKS.--The primary record is hourly averages of 15-minute DCP data with chart as backup. The record is complete and reliable, except for: zero flow on October 31, (22:00-23:00) and November 1 to 7, 2006 was found to be residual water in the stilling well as supported by the November 7th observation of zero flow. Flows with gage-height values below 0.09 feet were set to zero. The canal was in use from October 1-31, 2006, and from April 10, 2007 through the end of the water year. The DCP and graphical chart recorder are disabled when the canal is not in use. The record is good. Station maintained by NCWCD personnel and record developed by Russell Stroud.

RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

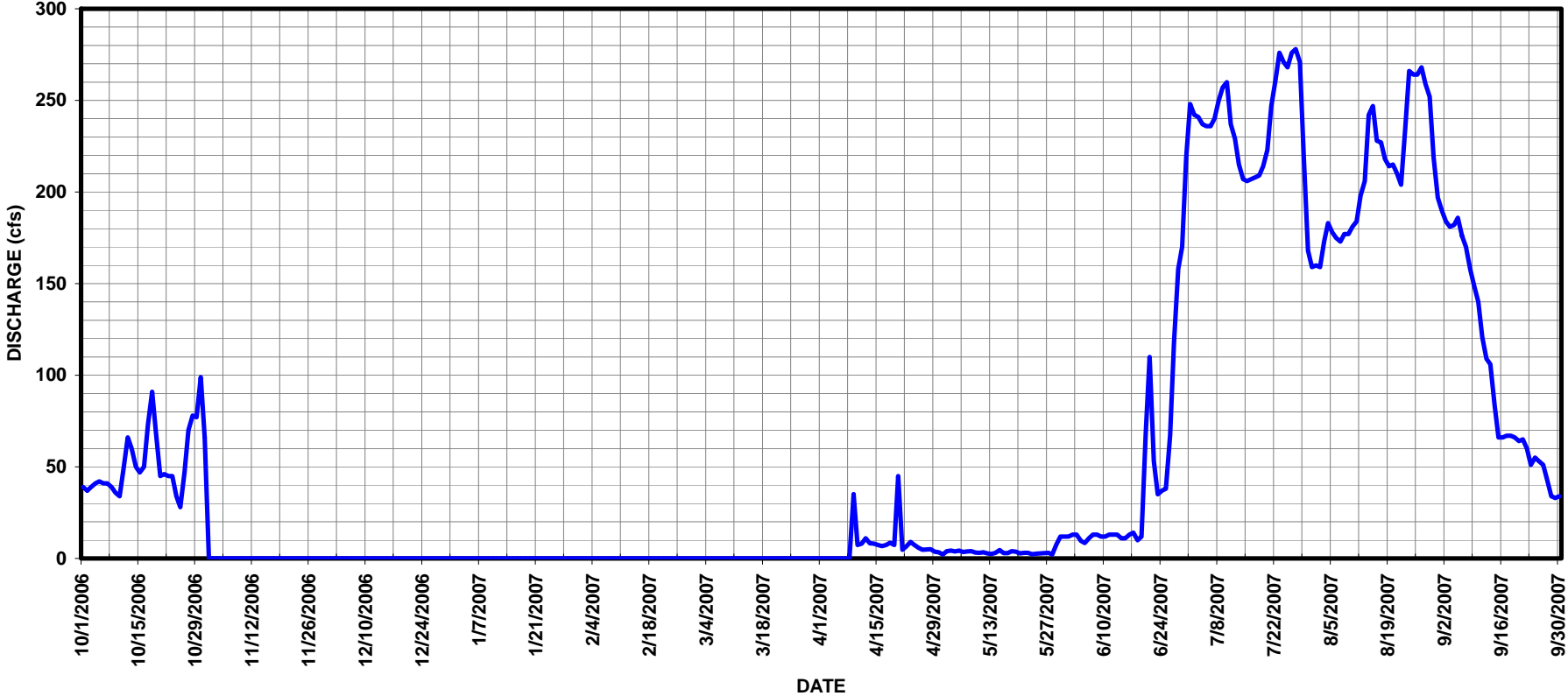
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	0	0	0	0	0	0	2.1	12	248	160	190
2	37	0	0	0	0	0	0	4.0	13	242	159	184
3	39	0	0	0	0	0	0	4.3	13	241	173	181
4	41	0	0	0	0	0	0	3.8	9.7	237	183	182
5	42	0	0	0	0	0	0	4.3	8.4	236	178	186
6	41	0	0	0	0	0	0	3.5	11	236	175	176
7	41	0	0	0	0	0	0	3.8	13	240	173	170
8	39	0	0	0	0	0	0	3.9	13	250	177	158
9	36	0	0	0	0	0	35	3.2	12	257	177	149
10	34	0	0	0	0	0	7.4	3.0	12	260	181	140
11	49	0	0	0	0	0	8.1	3.3	13	237	184	121
12	66	0	0	0	0	0	11	2.7	13	229	198	109
13	60	0	0	0	0	0	8.2	2.5	13	215	206	106
14	50	0	0	0	0	0	8.1	3.1	11	207	242	84
15	47	0	0	0	0	0	7.4	4.6	11	206	247	66
16	50	0	0	0	0	0	6.7	2.9	13	207	228	66
17	73	0	0	0	0	0	7.3	2.9	14	208	227	67
18	91	0	0	0	0	0	8.5	3.9	10	209	218	67
19	68	0	0	0	0	0	7.3	3.6	12	214	214	66
20	45	0	0	0	0	0	45	2.8	68	223	215	64
21	46	0	0	0	0	0	4.8	3.1	110	247	210	65
22	45	0	0	0	0	0	6.6	3.0	53	261	204	60
23	45	0	0	0	0	0	9.0	2.3	35	276	235	51
24	34	0	0	0	0	0	7.3	2.6	37	271	266	55
25	28	0	0	0	0	0	5.8	2.8	38	268	264	53
26	47	0	0	0	0	0	4.8	2.9	67	276	264	51
27	70	0	0	0	0	0	4.9	3.0	118	278	268	43
28	78	0	0	0	0	0	5.1	2.1	158	271	259	34
29	77	0	0	0	---	0	3.6	7.6	170	219	252	33
30	99	0	0	0	---	0	3.4	12	219	168	219	34
31	66	---	0	0	---	0	---	12	---	159	197	---
TOTAL	1623	0	0	0	0	0	215.3	121.6	1300.1	7296	6553	3011
MEAN	52.4	0	0	0	0	0	7.18	3.92	43.3	235	211	100
AC-FT	3220	0	0	0	0	0	427	241	2580	14470	13000	5970
MAX	99	0	0	0	0	0	45	12	219	278	268	190
MIN	28	0	0	0	0	0	0	2.1	8.4	159	159	33

CAL YR	2006	TOTAL	28600	MEAN	78.4	MAX	292	MIN	0	AC-FT	56730
WTR YR	2007	TOTAL	20120	MEAN	55.1	MAX	278	MIN	0	AC-FT	39910

MAX DISCH: 288 CFS AT 01:30 ON Jul. 27, 2007 GH 2.62 FT. SHIFT 0 FT.
MAX GH: 2.62 FT. AT 01:30 ON Jul. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ST. VRAIN SUPPLY CANAL NEAR LYONS CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

LITTLE THOMPSON RIVER AT CANYON MOUTH NEAR BERTHOUD, CO

LOCATION.--Lat 40°15'29", long 105°12'21", SW¼NW¼ sec. 2, T. 3 N., 70 W., Boulder County, on the left bank, at the mouth of the Canyon, 1800 ft. upstream from the Culver Ditch Diversion and 8.5 mi. southwest of Berthoud, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--100 mi²; 1962-1969, 1993 to present.

GAGE.--Graphic water stage recorder and digital shaft encoder with satellite monitoring in a 42" metal shelter and well. A drop tape is the primary reference gage.

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart as back up. Good chart data were used April 6-8, 2007 with no loss of accuracy. On April 20, 2007 at 13:10, inlets were closed for flushing and left closed. At 09:00 on April 21, 2007 the inlets were re-opened. Interpolation between good record was used to fill in this period with no loss of accuracy, since very little change occurred during the hours of missing record. The station was closed for winter from November 16, 2006 through March 04, 2007. The record is considered good. This gage is a partial year station that is closed in the winter months. Station maintained and record developed by Lee Cunning.

RATING TABLE.--LTCANYCO12 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

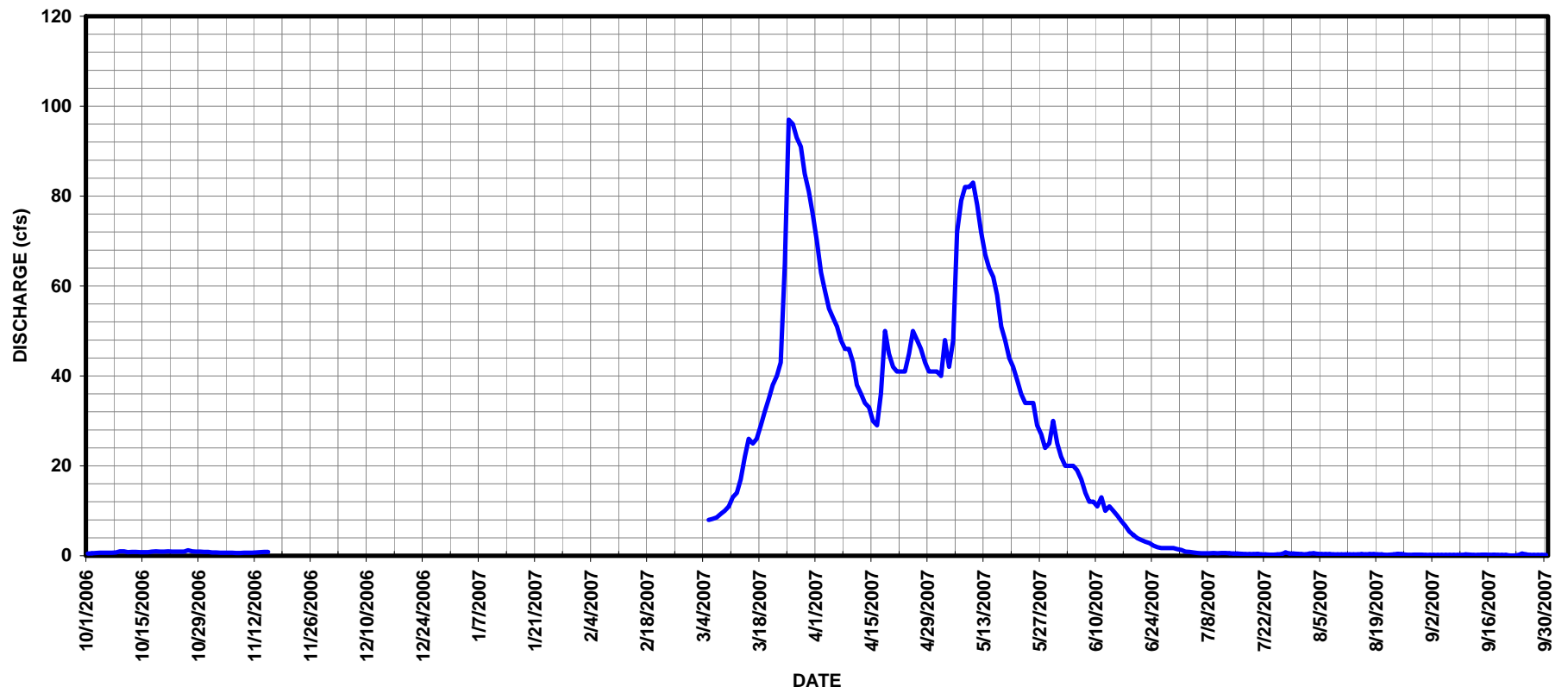
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.51	.76	---	---	---	---	70	41	22	1.3	.30	.18
2	.56	.73	---	---	---	---	63	40	20	.91	.49	.16
3	.59	.70	---	---	---	---	59	48	20	.84	.57	.16
4	.65	.68	---	---	---	---	55	42	20	.71	.42	.16
5	.67	.66	---	---	---	8.0	53	48	19	.62	.37	.18
6	.66	.66	---	---	---	8.2	51	72	17	.58	.36	.19
7	.69	.64	---	---	---	8.5	48	79	14	.58	.37	.17
8	.71	.63	---	---	---	9.3	46	82	12	.58	.32	.16
9	.96	.65	---	---	---	10	46	82	12	.59	.28	.18
10	.97	.67	---	---	---	11	43	83	11	.57	.32	.28
11	.81	.66	---	---	---	13	38	78	13	.60	.31	.25
12	.86	.72	---	---	---	14	36	72	10	.60	.31	.19
13	.86	.78	---	---	---	17	34	67	11	.56	.29	.19
14	.82	.87	---	---	---	22	33	64	10	.51	.28	.23
15	.81	.87	---	---	---	26	30	62	8.9	.49	.34	.23
16	.81	---	---	---	---	25	29	58	7.7	.43	.33	.18
17	.91	---	---	---	---	26	36	51	6.6	.36	.35	.23
18	.97	---	---	---	---	29	50	48	5.4	.34	.34	.21
19	.95	---	---	---	---	32	45	44	4.6	.39	.33	.19
20	.95	---	---	---	---	35	42	42	3.9	.41	.28	.17
21	.96	---	---	---	---	38	41	39	3.5	.33	.20	.08
22	.95	---	---	---	---	40	41	36	3.1	.29	.22	.07
23	.93	---	---	---	---	43	41	34	2.8	.26	.33	.10
24	.90	---	---	---	---	65	45	34	2.3	.26	.41	.51
25	.89	---	---	---	---	97	50	34	1.9	.28	.35	.31
26	1.2	---	---	---	---	96	48	29	1.7	.35	.27	.21
27	.98	---	---	---	---	93	46	27	1.7	.75	.20	.18
28	.94	---	---	---	---	91	43	24	1.7	.52	.26	.18
29	.90	---	---	---	---	85	41	25	1.7	.47	.24	.17
30	.88	---	---	---	---	81	41	30	1.5	.41	.25	.17
31	.86	---	---	---	---	76	---	25	---	.36	.21	---
TOTAL	26.11	10.68	---	---	---	1099.0	1344	1540	270.0	16.25	9.90	5.87
MEAN	.84	.71	---	---	---	40.7	44.8	49.7	9.00	.52	.32	.20
AC-FT	52	21	---	---	---	2180	2670	3050	536	32	20	12
MAX	1.2	.87	---	---	---	97	70	83	22	1.3	.57	.51
MIN	.51	.63	---	---	---	8.0	29	24	1.5	.26	.20	.07

CAL YR	2006	TOTAL	222	MEAN	0.91	MAX	7.10	MIN	0.19	AC-FT	440 (PARTIAL YEAR RECORD)
WTR YR	2007	TOTAL	4320	MEAN	16.9	MAX	97	MIN	.07	AC-FT	8570 (PARTIAL YEAR RECORD)

MAX DISCH: 101 CFS AT 00:15 ON Mar. 25, 2007 GH 3.82 FT. SHIFT -0.13 FT.
MAX GH: 3.82 FT. AT 00:15 ON Mar. 25, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LITTLE THOMPSON RIVER AT CANYON MOUTH NEAR BERTHOUD CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO

LOCATION.--Lat 40°21'00", long 104°47'04", in SW1/4, SE1/4, Sec. 33, T.5N., R.66 W., Weld County, CO, on left bank just southeast of gage on Evans Town Ditch, 0.7 miles upstream from bridge on WCR 396, 1.6 miles upstream from mouth and 4 miles West of LaSalle, CO.

DRAINAGE AREA AND PERIOD OF RECORD.--828 mi²; 1951 to present.

GAGE.--Sutron High Data Rate (HDR) data collection platform, digital shaft encoder, and a graphic chart recorder in a wooden shelter with galvanized well section. A drop tape is the primary reference gage. The supplemental outside chain gage is unreliable. A new SatLink DCP was installed October 13, 2006.

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart backup. Daily maximum and minimum stages for the satellite record agreed within ±0.02 ft of the chart. The record is complete. There were numerous days with missing transmitted values throughout WY. Missing data replaced with good chart data with no loss of accuracy. This problem was corrected when the DCP UTC offset was changed from -13 to -14 on August 24, 2007. The record is reliable, except for the following periods: December 20-24, 31, 2006, January 1, 2, 12-16, 26, 2007, when ice affected the stage-discharge relationship; January 17-25, 2007, when the well was frozen. The record is good, except during periods of no gage height and ice affected record, which are estimated and poor. Station maintained by Div. 1 Hydrographic Staff and record developed by Lee Cunning.

RATING TABLE.--BIGLASCO25 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

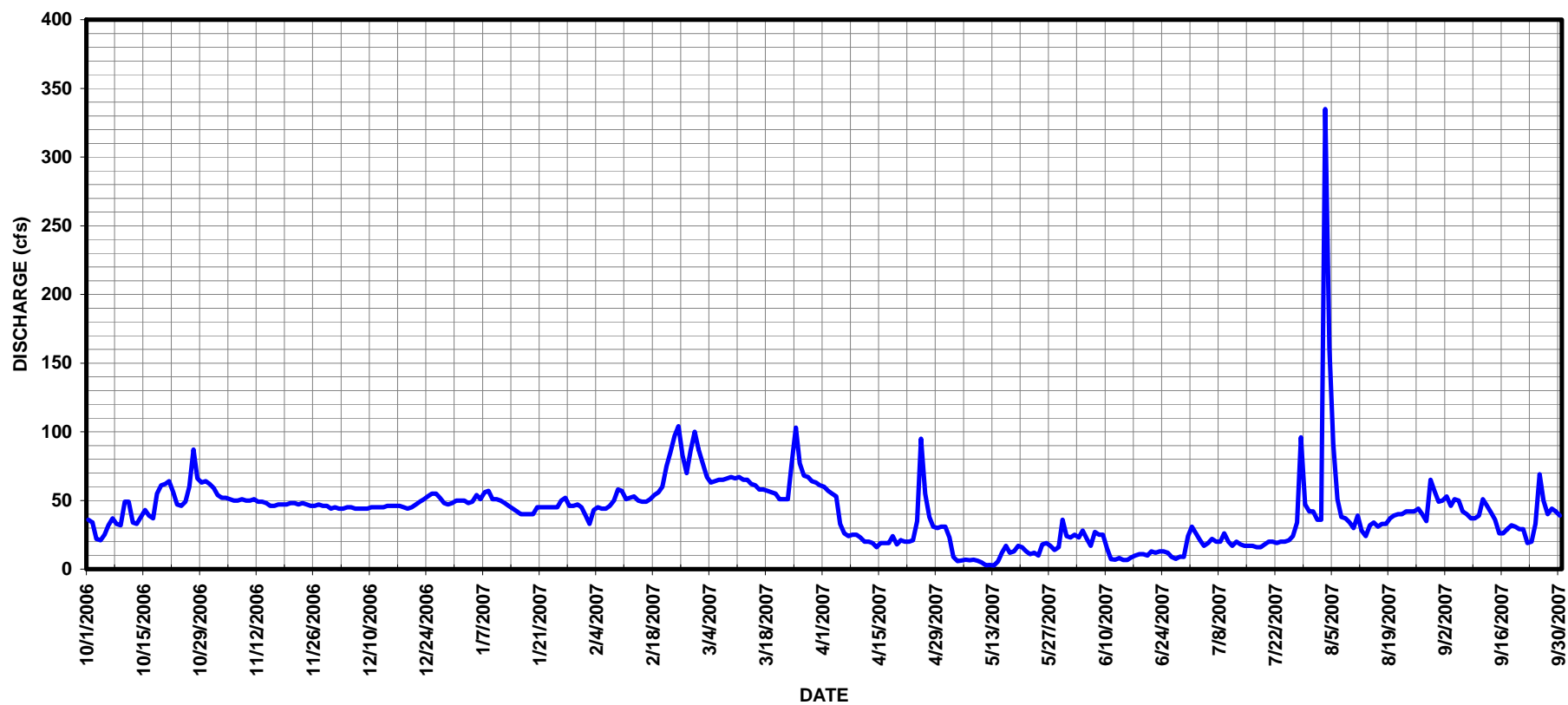
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	59	45	50	39	87	60	31	23	31	36	50
2	34	54	44	50	33	77	57	23	25	26	36	53
3	22	52	44	48	43	67	55	8.8	23	21	335	46
4	21	52	45	49	45	63	53	5.8	28	17	161	51
5	25	51	45	54	44	64	33	6.2	22	19	91	50
6	32	50	44	51	44	65	26	6.8	17	22	51	42
7	37	50	44	56	46	65	24	6.5	27	20	38	40
8	33	51	44	57	50	66	25	6.9	25	20	37	37
9	32	50	44	51	58	67	25	6.0	25	26	34	37
10	49	50	45	51	57	66	23	4.8	15	20	30	39
11	49	51	45	50	51	67	20	2.9	7.3	17	39	51
12	34	49	45	48	52	65	20	3.0	6.9	20	28	46
13	33	49	45	46	53	65	19	2.6	8.1	18	24	41
14	38	48	46	44	50	62	16	5.7	6.6	17	32	36
15	43	46	46	42	49	61	19	12	6.7	17	34	26
16	39	46	46	40	49	58	19	17	8.5	17	31	26
17	37	47	46	40	51	58	19	12	10	16	33	29
18	55	47	45	40	54	57	24	13	11	16	33	32
19	61	47	44	40	56	56	18	17	11	18	37	31
20	62	48	45	45	60	55	21	16	9.9	20	39	29
21	64	48	47	45	75	51	20	13	13	20	40	29
22	56	47	49	45	85	51	20	11	12	19	40	19
23	47	48	51	45	97	51	21	12	13	20	42	20
24	46	47	53	45	104	77	35	10	13	20	42	33
25	49	46	55	45	83	103	95	18	12	21	42	69
26	60	46	55	50	70	77	55	19	8.8	24	44	50
27	87	47	52	52	86	68	38	17	7.5	34	40	40
28	66	46	48	46	100	67	31	14	9.1	96	35	44
29	63	46	47	46	---	64	30	16	8.8	47	65	42
30	64	44	48	47	---	63	31	36	24	42	57	39
31	62	---	50	45	---	61	---	24	---	42	49	---
TOTAL	1436	1462	1452	1463	1684	2024	952	397.0	437.2	783	1675	1177
MEAN	46.3	48.7	46.8	47.2	60.1	65.3	31.7	12.8	14.6	25.3	54.0	39.2
AC-FT	2850	2900	2880	2900	3340	4010	1890	787	867	1550	3320	2330
MAX	87	59	55	57	104	103	95	36	28	96	335	69
MIN	21	44	44	40	33	51	16	2.6	6.6	16	24	19
CAL YR 2006	TOTAL	12575.5	MEAN	34.5	MAX	87	MIN	1.8	AC-FT	24950		
WTR YR 2007	TOTAL	14942.2	MEAN	40.9	MAX	335	MIN	2.6	AC-FT	29640		

MAX DISCH: 623 CFS AT 06:20 ON Aug. 3, 2007 GH 3.52 FT. SHIFT 0 FT.

MAX GH: 3.52 FT. AT 06:20 ON Aug. 3, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06752000 CACHE LA POUDE RIVER AT MOUTH OF CANYON, NEAR FORT COLLINS, CO

LOCATION.--Lat 40°39'52", long 105°13'26", in NW¼ sec. 15, T.8 N., R.70 W., Larimer County, Hydrologic Unit 10190007, on left bank at mouth of canyon, 0.5 mi downstream from headgate of Poudre Valley Canal, 1.2 mi upstream from Lewistone Creek, and 9.3 mi northwest of courthouse in Fort Collins.

DRAINAGE AREA AND PERIOD OF RECORD.--1,056 mi². Sporadic and somewhat unreliable data from June 1881 to Aug. 1883. Reliable data from Oct. 1883 to current year. Periodic water-quality data from 1962 to 1995.

GAGE.--Stevens F-type water stage recorder, shaft encoder, and satellite monitoring equipment (Satlink logger with speech card) in a concrete shelter and stilling well. There is a supplemental chain gage.

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart as backup. Satellite mean gage heights checked with chart values to within ±0.02 ft. The record is complete and reliable, except for the following periods: November 29, 2006 - February 23, 2007, when the station was closed for the winter; and February 25-27, March 1 - 4, 2007, when the stage-discharge relationship was affected by ice. The record is good, except during the winter shutdown period, which was estimated and poor; and during periods of ice affected record, which are estimated and fair. Station maintained and record developed by Lee Cuning.

RATING TABLE.--CLAFTCC011 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

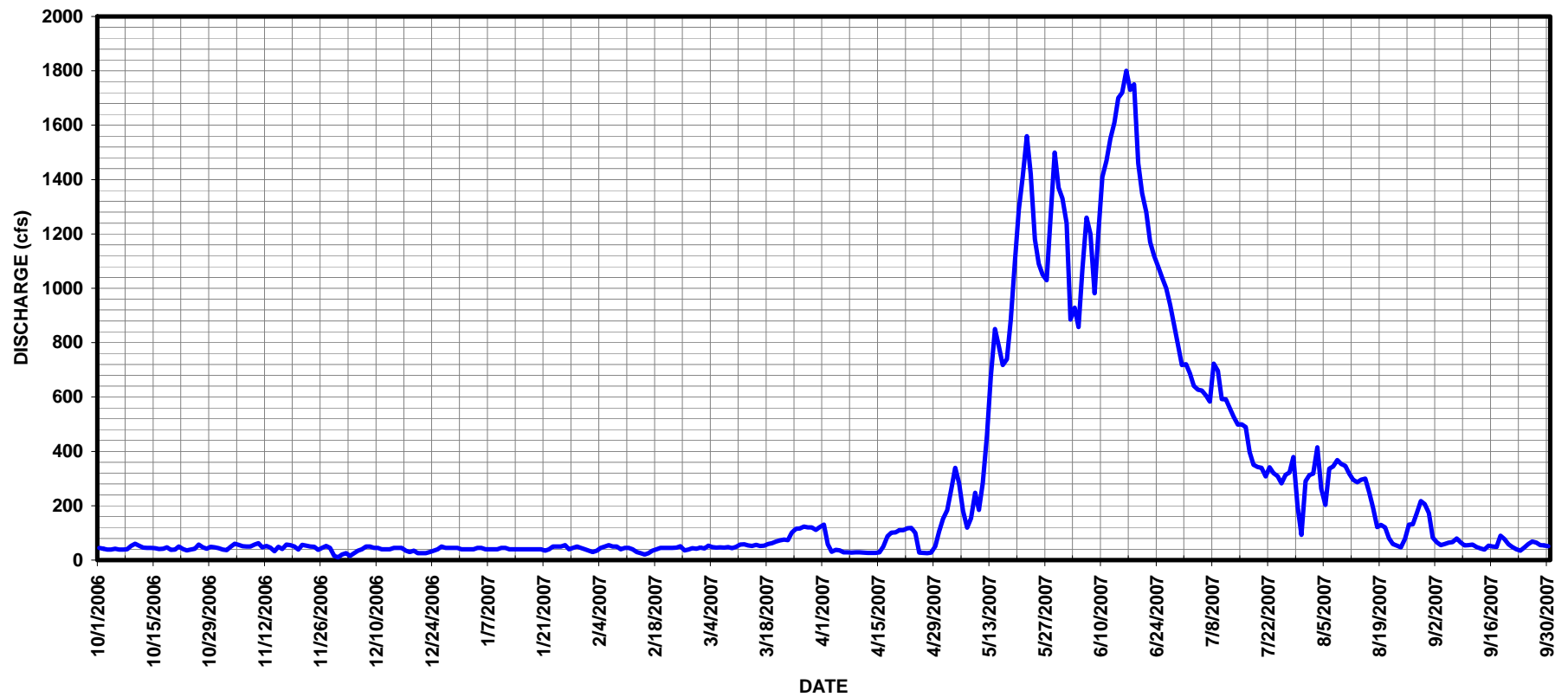
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	39	20	40	35	46	130	152	1240	721	313	83
2	42	37	25	40	30	43	58	183	885	687	318	65
3	39	49	15	40	35	53	31	257	929	641	415	55
4	39	60	25	45	45	48	38	339	857	627	263	59
5	42	56	35	45	50	46	36	282	1070	624	203	64
6	39	51	40	40	55	47	29	181	1260	605	336	66
7	39	50	50	40	50	46	29	119	1200	583	345	80
8	40	50	50	40	50	48	28	154	982	723	368	65
9	52	57	45	40	40	44	29	248	1210	696	354	54
10	60	62	45	45	45	49	29	185	1410	592	347	55
11	53	47	40	45	45	57	28	284	1470	591	318	57
12	46	52	40	40	40	58	27	459	1550	559	296	48
13	45	46	40	40	30	54	26	677	1610	527	286	43
14	45	33	45	40	25	52	26	850	1700	498	296	39
15	44	49	45	40	20	56	29	786	1720	499	300	53
16	41	41	45	40	25	52	50	718	1800	489	250	50
17	42	57	35	40	35	53	88	739	1730	398	193	49
18	47	55	30	40	40	59	101	885	1750	351	121	90
19	38	50	35	40	45	62	102	1100	1460	343	129	77
20	39	39	25	40	45	68	110	1290	1350	339	120	58
21	50	56	25	35	45	72	110	1410	1280	308	81	48
22	41	53	25	40	45	75	117	1560	1170	341	59	40
23	36	50	30	50	46	73	118	1420	1120	320	53	35
24	39	49	35	50	51	101	100	1180	1080	309	47	46
25	42	38	40	50	36	115	28	1090	1040	282	79	59
26	57	45	50	55	39	116	26	1050	1000	314	130	68
27	47	52	45	40	44	123	25	1030	940	322	132	64
28	42	45	45	45	42	120	28	1260	867	379	174	55
29	49	15	45	50	---	120	51	1500	789	199	217	54
30	47	10	45	45	---	111	106	1370	718	93	206	51
31	44	---	40	40	---	121	---	1330	---	291	173	---
TOTAL	1371	1393	1155	1320	1133	2188	1733	24088	37187	14251	6922	1730
MEAN	44.2	46.4	37.3	42.6	40.5	70.6	57.8	777	1240	460	223	57.7
AC-FT	2720	2760	2290	2620	2250	4340	3440	47780	73760	28270	13730	3430
MAX	60	62	50	55	55	123	130	1560	1800	723	415	90
MIN	36	10	15	35	20	43	25	119	718	93	47	35
CAL YR 2006	TOTAL	74302	MEAN	203	MAX	1610	MIN	9	AC-FT	147370		
WTR YR 2007	TOTAL	94471	MEAN	259	MAX	1800	MIN	10	AC-FT	187400		

MAX DISCH: 2010 CFS AT 04:30 ON Jun. 16, 2007 GH 4.78 FT. SHIFT -0.13 FT.

MAX GH: 4.78 FT. AT 04:30 ON Jun. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06752000 CACHE LA POUDRE RIVER AT MOUTH OF CANYON NEAR FORT COLLINS CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06752500 CACHE LA POUDE RIVER NEAR GREELEY, CO

LOCATION.--Lat 40°25'04", long 104°39'22", in NW¼ sec. 11, T.5 N., R.65 W., Weld County, Hydrologic Unit 10190007, on right bank 15 ft. downstream from highway bridge, 2.9 mi east of courthouse in Greeley, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--1,877 mi².

GAGE.--Stevens A-35 water stage recorder and satellite monitoring DCP with shaft encoder in a 48-inch metal shelter and well. The primary reference gage is a wire weight gage on the bridge above the station, and some distance from the inlets. Elevation of gage is 4,610 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Primary record is taken from the hourly averages of 15-minute satellite data with chart record as backup. Record is complete and reliable, except for January 13 - February 20, 2007, when the well was frozen. The record is fair, because of channel conditions in the vicinity of the gage, and poor during periods of no gage height record (well frozen). Station maintained and record developed by Lee Cunning.

RATING TABLE.--CLAGRECO26 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

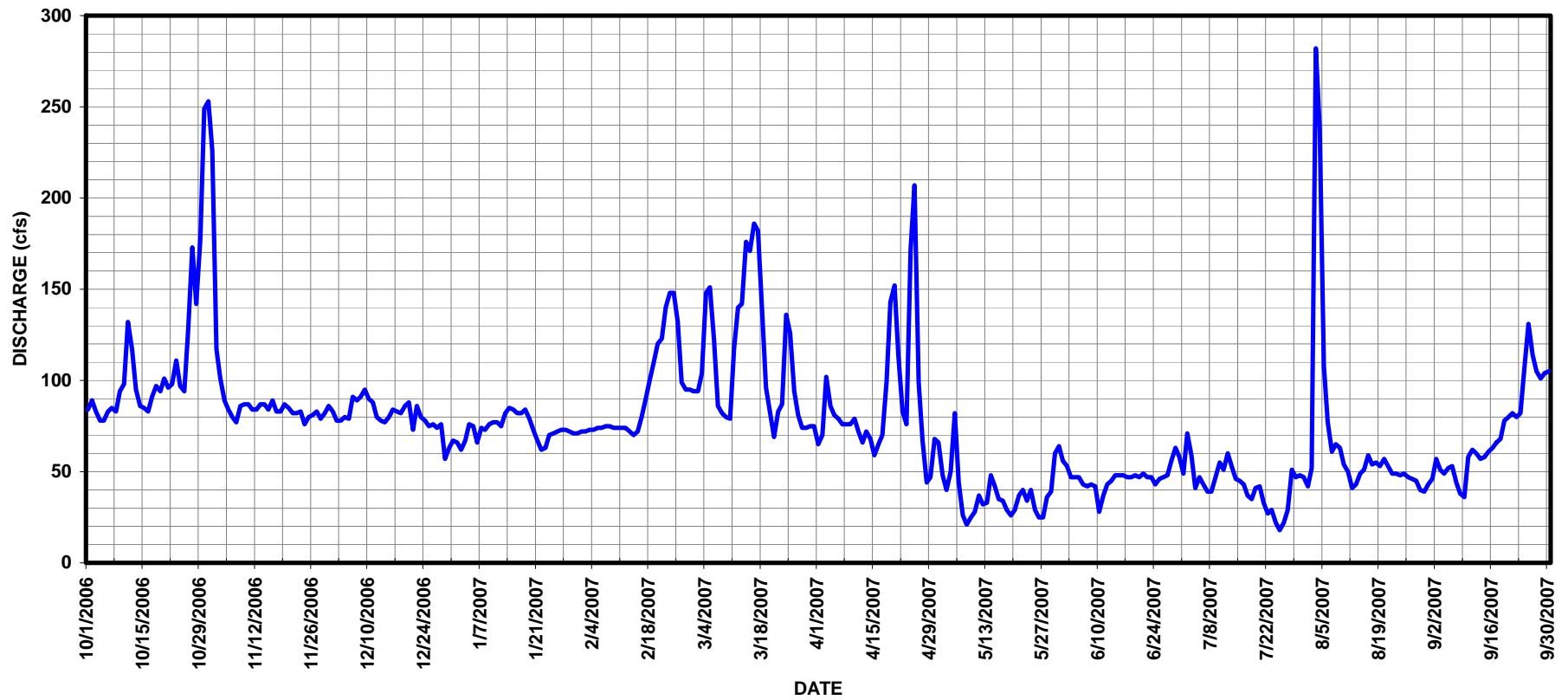
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	226	83	66	72	94	65	66	56	49	42	46
2	89	117	78	62	72	94	70	48	53	71	52	57
3	83	101	78	67	73	104	102	40	47	59	282	51
4	78	89	80	76	73	148	86	50	47	41	238	49
5	78	84	79	75	74	151	81	82	47	47	108	52
6	83	80	91	66	74	122	79	44	43	43	77	53
7	85	77	89	74	75	86	76	26	42	39	61	44
8	83	86	91	73	75	82	76	21	43	39	65	38
9	94	87	95	76	74	80	76	25	42	47	63	36
10	98	87	90	77	74	79	79	28	28	55	54	58
11	132	84	88	77	74	117	72	37	37	51	50	62
12	117	84	80	75	74	140	66	32	43	60	41	60
13	95	87	78	82	72	142	72	33	45	53	43	57
14	86	87	77	85	70	176	68	48	48	46	49	58
15	85	84	80	84	72	171	59	42	48	45	51	61
16	83	89	84	82	80	186	65	35	48	43	59	63
17	91	83	83	82	90	182	70	34	47	37	54	66
18	97	83	82	84	100	138	99	29	47	35	55	68
19	94	87	86	79	110	96	143	26	48	41	53	78
20	101	85	88	73	120	82	152	29	47	42	57	80
21	96	82	73	67	123	69	113	37	49	33	53	82
22	98	82	86	62	140	83	83	40	47	27	49	80
23	111	83	80	63	148	87	76	34	47	29	49	82
24	97	76	78	70	148	136	172	40	43	22	48	108
25	94	80	75	71	132	126	207	29	46	18	49	131
26	128	81	76	72	99	94	99	25	47	22	47	114
27	173	83	74	73	95	81	67	25	48	29	46	105
28	142	79	76	73	95	74	44	36	56	51	45	101
29	178	82	57	72	---	74	47	39	63	47	40	104
30	249	86	63	71	---	75	68	60	58	48	39	105
31	253	---	67	71	---	75	---	64	---	47	43	---
TOTAL	3455	2701	2485	2280	2578	3444	2632	1204	1410	1316	2062	2149
MEAN	111	90.0	80.2	73.5	92.1	111	87.7	38.8	47.0	42.5	66.5	71.6
AC-FT	6850	5360	4930	4520	5110	6830	5220	2390	2800	2610	4090	4260
MAX	253	226	95	85	148	186	207	82	63	71	282	131
MIN	78	76	57	62	70	69	44	21	28	18	39	36

CAL YR	2006	TOTAL	25345	MEAN	69.4	MAX	253	MIN	26	AC-FT	50280
WTR YR	2007	TOTAL	27716	MEAN	75.9	MAX	282	MIN	18	AC-FT	54970

MAX DISCH: 480 CFS AT 19:45 ON Aug. 3, 2007 GH 4.23 FT. SHIFT -0.95 FT.
MAX GH: 4.23 FT. AT 19:45 ON Aug. 3, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06752500 CACHE LA POUDRE RIVER NEAR GREELEY CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

CACHE LA POUDRE RIVER AT GREELEY WASTEWATER PLANT NEAR GREELEY, CO

LOCATION.--Lat 40°25'21", Long 104°40'37" in SW ¼ section 4, T5N, R65W, Weld County. Just east of Greeley, on right bank, approximately 400 feet east of Highway 85, river mile 5.5.

DRAINAGE AREA.--Not determined.

GAGE.--Sutron HDR SatLink2 data collection platform and a SDI-12 shaft encoder(installed March 23, 2007) in a 7 ft x 7 ft rock façade shelter with a 48" diameter concrete stilling well. No outside reference at this time. The control is a hinged-crest gate with concrete abutments. The elevation of the gage is 4,636.33 feet above sea level (Boyle Engineering Company, 2001).

REMARKS.--Primary record is taken from the hourly averages of 15-minute satellite data. The record is complete and reliable, except there is a substantial amount of missing data from October 1, 2006 - March 23, 2007, due to outdated recording equipment. October 5-9, 2006, there were missing data; November 8, 2006 - March 23, 2007, the gage height was affected by the changing position of the crest gate located approximately 50 feet downstream. The gate was finally completely lowered and good gage heights were being recorded beginning on March 24, 2007. The record is considered estimated and poor from October 1, 2006 - March 23, 2007. From March 24 - September 30, 2007, the record is considered good. Water year 2007 is the first year to publish this record. Station maintained and record developed by Jennifer Stephenson, City of Greeley WPCF. Record reviewed by Division I Hydrographic Staff.

RATING TABLE.--CLAWASCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

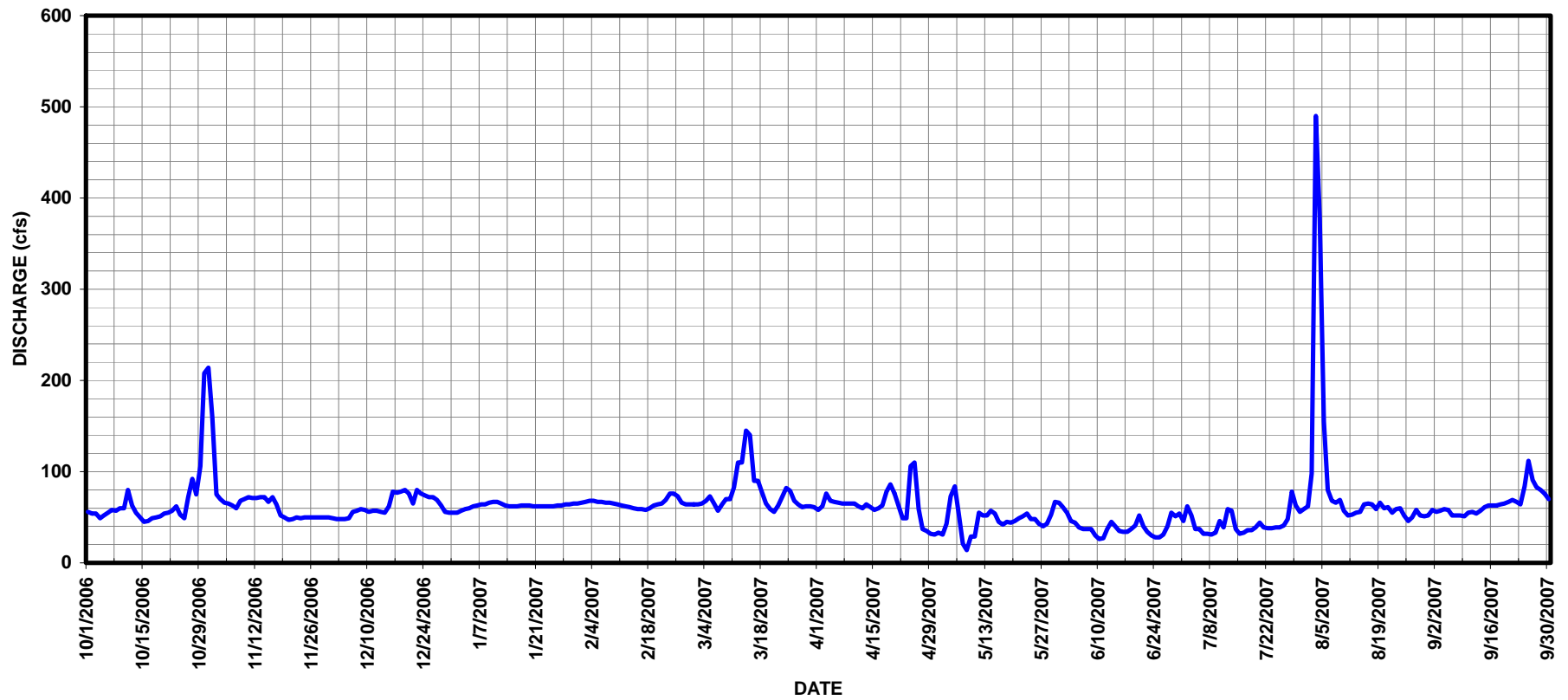
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	160	49	55	66	64	58	33	61	46	62	58
2	54	75	48	57	67	64	62	31	55	62	98	56
3	54	70	48	59	68	65	76	43	46	52	490	57
4	49	66	48	60	68	68	68	73	44	37	378	59
5	52	65	49	62	67	73	67	84	39	37	155	58
6	55	63	56	63	67	65	66	54	37	32	80	52
7	58	60	57	64	66	57	65	21	37	32	68	52
8	57	68	59	64	66	64	65	14	37	31	66	52
9	60	70	58	66	65	70	65	29	30	33	69	51
10	60	72	56	67	64	70	65	29	26	46	57	55
11	80	71	57	67	63	83	62	55	27	39	52	56
12	63	71	57	65	62	110	60	52	37	59	53	54
13	55	72	56	63	61	110	64	52	45	57	55	57
14	50	72	55	62	60	145	61	57	40	37	56	61
15	45	67	62	62	59	140	58	54	35	32	64	63
16	46	72	78	62	59	90	60	45	34	33	65	63
17	49	64	77	63	58	90	63	42	34	36	64	63
18	50	52	78	63	60	77	78	45	37	36	59	64
19	51	50	80	63	63	65	86	44	41	39	66	65
20	54	47	76	62	64	59	76	46	52	44	60	67
21	55	48	65	62	65	56	63	49	40	39	61	69
22	57	50	80	62	69	63	49	51	34	38	55	67
23	62	49	76	62	76	72	49	54	30	38	59	64
24	53	50	74	62	76	82	106	48	28	39	60	84
25	49	50	72	62	73	79	110	48	28	39	52	112
26	72	50	72	63	66	68	59	43	31	41	46	91
27	92	50	69	63	64	64	37	40	40	48	50	83
28	75	50	63	64	64	61	35	43	55	78	58	80
29	106	50	56	64	---	62	32	53	51	63	52	76
30	208	50	55	65	---	62	31	67	54	56	51	70
31	214	---	55	65	---	61	---	66	---	59	52	---
TOTAL	2141	1904	1941	1943	1826	2359	1896	1465	1185	1358	2713	1959
MEAN	69.1	63.5	62.6	62.7	65.2	76.1	63.2	47.3	39.5	43.8	87.5	65.3
AC-FT	4250	3780	3850	3850	3620	4680	3760	2910	2350	2690	5380	3890
MAX	214	160	80	67	76	145	110	84	61	78	490	112
MIN	45	47	48	55	58	56	31	14	26	31	46	51

WTR YR 2007 TOTAL 22690 MEAN 62.2 MAX 490 MIN 14 AC-FT 45010

MAX DISCH: 708 CFS AT 19:00 ON Aug. 03, 2007 GH 2.52 FT. SHIFT 0.27 FT.
MAX GH: 2.52 FT. AT 19:00 ON Aug. 03, 2007 (DURING PERIOD OF GOOD RECORD)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CACHE LA POUDRE RIVER AT GREELEY WASTEWATER PLANT NEAR GREELEY CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06754000 SOUTH PLATTE RIVER NEAR KERSEY, CO

LOCATION.--Lat 40°24'45", long 104°33'47", in NW¼SW¼ sec. 9, T.5 N., R.64 W., Weld County, Hydrologic Unit 10190003, on downstream side of bridge on State Highway 37, 1.9 mi north of railroad in Kersey, and 2.5 mi downstream from Cache la Poudre River.

DRAINAGE AREA AND PERIOD OF RECORD.--9,659 mi². May 1901 to Dec. 1903, Mar. 1905 to current year. Monthly totals only for some periods. Periodic water-quality data available from 1950.

GAGE.--Graphic water-stage recorder and shaft encoder (SE) activated by a manometer and satellite monitoring DCP in a concrete block shelter. In May 2006, a supplemental Sutron Accububble, orifice line and muffler were installed directly in the channel and not connected to the bridge piers. An outside wire weight is used for referencing the gage. A land-line phone is installed and the DCP is equipped with a voice modem card. The datum of the gage is 4578.02 ft MSL (NAVD 1988) established by level circuit in 2005.

REMARKS.--The primary record is hourly averages of 15-minute data taken from either the manometer or the acububbler, depending which appears to be working better. The bubbler was used for the obvious situations where the chart/manometer was freezing or painting. For less obvious periods, "better" was determined by how close each instrument was for the calibration visits, and which instrument had the smaller max/min range. The composite record is complete and reliable. Almost daily visits helped support this record. Properly maintained, the manometer will usually track better than the bubbler. Calibrating the bubbler is difficult since often the orifice muffler is covered with sand; whereas the manometer orifice can be lifted above the sand. Record is rated as fair due to variability ("painting" or scatter) in the primary GH data. Station maintained and record developed by Bob Cooper.

RATING TABLE.--PLAKERCO22 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	362	1120	685	611	514	1330	2160	3080	2800	576	483	395
2	362	844	712	591	455	1300	1980	3720	2610	649	366	476
3	364	735	702	565	473	1220	1850	3940	2650	543	1210	449
4	373	672	689	606	631	1160	1570	3430	2720	482	1700	520
5	372	713	692	653	679	1120	1200	3310	2480	436	1110	498
6	373	748	726	721	660	1130	1010	3650	2170	411	1000	473
7	374	836	720	667	716	1110	954	4620	2160	364	1230	474
8	359	860	706	642	842	1050	984	3560	2360	320	898	451
9	392	828	710	641	804	895	973	2860	2180	300	767	420
10	497	790	691	650	749	846	970	2460	1740	301	558	453
11	762	760	674	649	692	847	911	2320	1370	313	456	475
12	688	755	657	609	693	942	1100	2310	1250	368	402	479
13	604	753	649	541	745	839	1070	2180	1700	436	313	446
14	575	775	652	495	762	783	979	2360	2100	356	254	426
15	545	742	672	465	701	741	944	3740	1740	291	247	424
16	506	742	747	458	670	723	798	4430	1560	243	298	422
17	533	732	802	493	687	723	659	3580	1510	208	373	443
18	572	787	814	507	719	733	810	3450	1460	192	281	462
19	767	784	823	492	735	696	706	3220	1490	187	285	490
20	761	774	843	469	796	696	587	3270	1270	178	320	508
21	710	784	762	474	930	689	481	3460	1120	186	355	480
22	750	737	794	452	1050	776	439	3560	1230	177	308	450
23	778	717	838	458	1150	1240	440	4360	1070	163	285	421
24	740	673	814	473	1310	1780	547	4770	969	172	332	465
25	728	659	771	475	1390	2660	4670	4770	883	142	785	776
26	769	653	708	486	1320	2180	5690	3680	845	136	631	853
27	1190	650	659	517	1320	1870	3640	3110	851	161	436	722
28	1580	649	714	527	1330	2050	3110	2860	835	602	334	648
29	1340	662	702	509	---	2080	2980	2860	731	1420	317	635
30	1350	703	664	527	---	2560	3020	4050	622	885	350	629
31	1240	---	624	517	---	2430	---	3590	---	690	358	---
TOTAL	21316	22637	22416	16940	23523	39199	47232	106560	48476	11888	17042	15263
MEAN	688	755	723	546	840	1264	1574	3437	1616	383	550	509
AC-FT	42280	44900	44460	33600	46660	77750	93680	211400	96150	23580	33800	30270
MAX	1580	1120	843	721	1390	2660	5690	4770	2800	1420	1700	853
MIN	359	649	624	452	455	689	439	2180	622	136	247	395

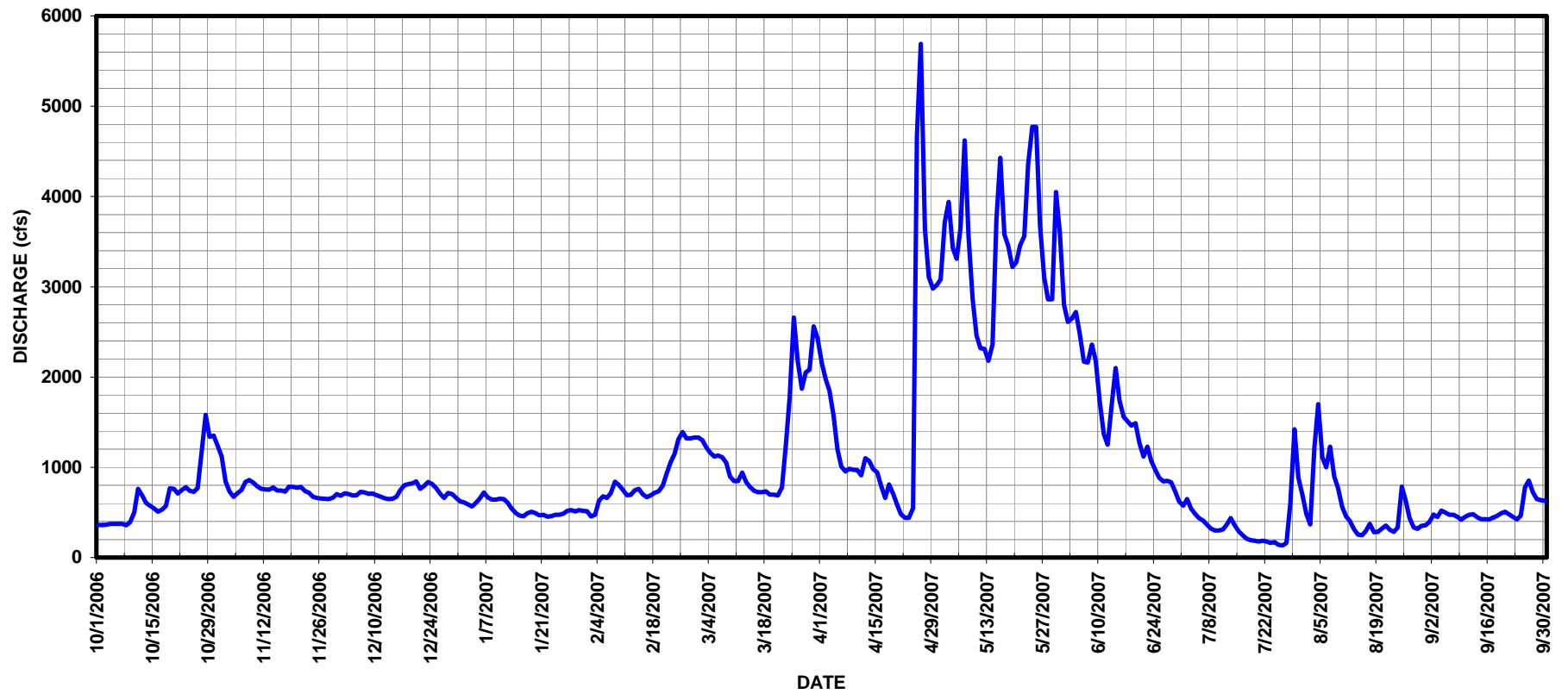
CAL YR	2006	TOTAL	169560	MEAN	465	MAX	2840	MIN	108	AC-FT	336320
WTR YR	2007	TOTAL	392492	MEAN	1075	MAX	5690	MIN	136	AC-FT	778500

MAX DISCH: 8040 CFS AT 01:15 ON Apr. 26, 2007 GH 8.87 FT. SHIFT -0.3 FT.

MAX GH: 8.87 FT. AT 01:15 ON Apr. 26, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06754000 SOUTH PLATTE RIVER NEAR KERSEY CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06758500 SOUTH PLATTE RIVER NEAR WELDONA, CO

LOCATION.--Lat 40°19'17", long 103°55'13" (NAD 1983), in SW¼SW¼ sec. 7, T.4 N., R.58 W., Morgan County, Hydrologic Unit 10190003, on left bank 600 ft downstream from bridge on State Highway 144, 2.8 mi southeast of Weldona, and 4.2 mi upstream from Bijou Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--13,190 mi². October 1952 to current year.

GAGE.--Graphic water-stage recorder and satellite monitoring equipment (Sutron SatLink Logger and shaft encoder) in a corrugated metal pipe and stilling well. An electric tape inside the station references the gage. There is no outside reference. A radio bridge is also installed to allow a nearby ditch return to be transmitted on the Satlink.

REMARKS.--The primary record is hourly averages of 15-minute data taken from satellite monitoring with chart back up. The recorder had time problems all year, but was still useable to fill in all the missing DCP hours. The record is complete and reliable except for the following periods: the stage-discharge relationship was affected by ice January 12 - February 16, 2007. During this period, from January 13 through February 1, the record is missing or unreliable due to ice in the stilling well or leaking oil cylinders. Encoder calibration was supported by 72 visits to the gage. The record is good, except for the following: January 12 - February 16, 2007, which was estimated and poor due to ice conditions; and December 23-27, 2006, is fair due to poor definition of the high water end of the stage-shift table in use for this period. Station maintained and record developed by Bob Cooper.

RATING TABLE.--PLAWELCO19 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

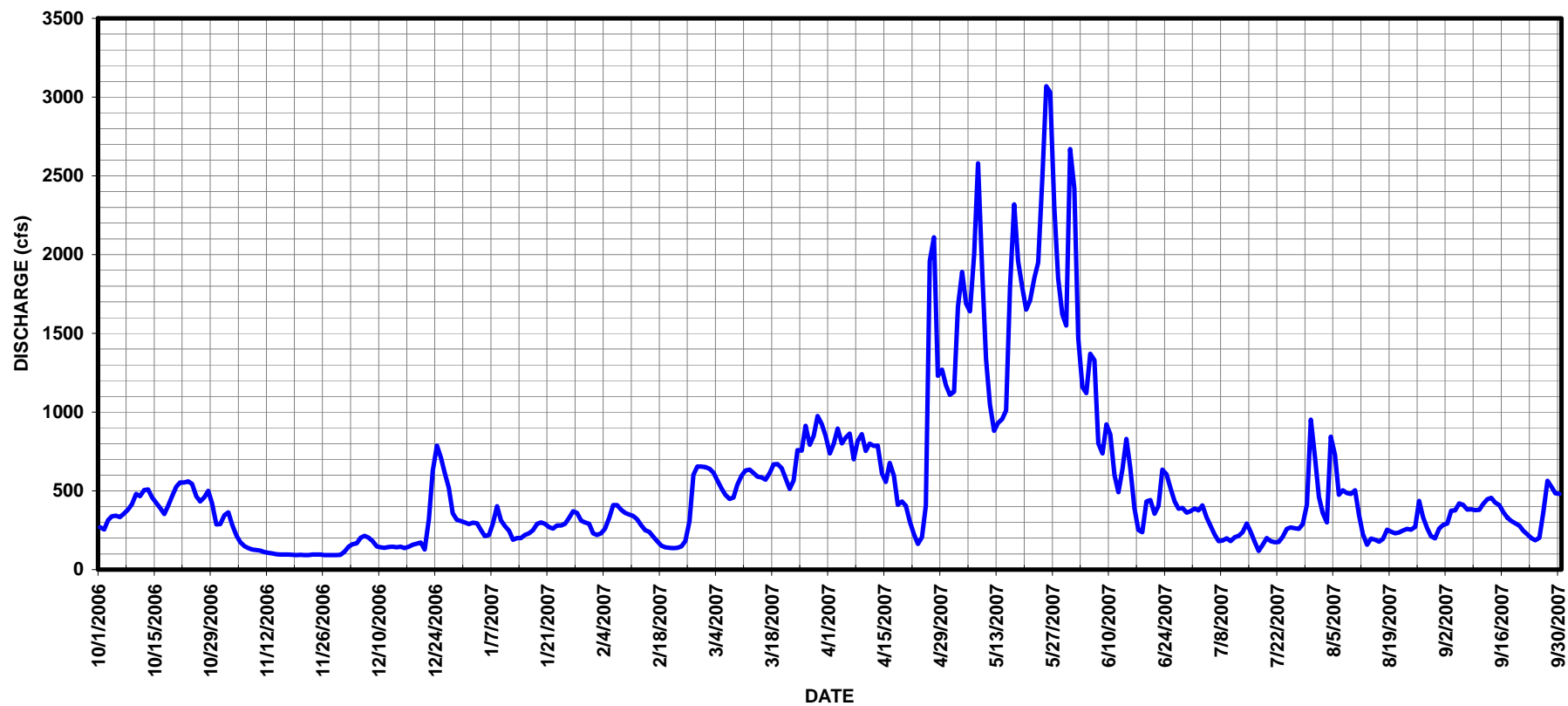
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	346	113	289	230	650	738	1110	2420	388	461	284
2	256	364	145	297	220	640	800	1130	1470	376	360	293
3	314	284	161	295	230	615	895	1670	1160	407	300	374
4	339	216	166	252	260	568	802	1890	1120	331	844	376
5	342	173	203	213	330	516	839	1690	1370	279	728	420
6	334	149	214	220	410	476	864	1640	1330	221	475	412
7	356	137	202	293	410	449	700	2000	801	180	503	381
8	381	127	180	403	380	457	815	2580	737	184	486	383
9	415	124	147	312	360	539	860	1890	922	199	480	377
10	481	120	142	276	350	595	753	1340	859	181	503	380
11	466	112	139	247	340	630	800	1050	599	206	347	416
12	506	106	143	190	320	634	785	881	491	215	225	446
13	509	103	145	200	280	613	788	931	639	238	158	456
14	459	98	141	200	250	590	612	956	830	292	197	426
15	423	95	145	220	240	585	557	1010	646	239	189	409
16	391	95	137	230	210	571	678	1790	388	175	178	365
17	353	95	145	250	180	613	595	2320	252	118	195	329
18	406	94	158	290	153	669	412	1960	237	156	254	309
19	467	93	165	300	142	670	433	1790	432	200	242	294
20	527	94	172	290	139	644	405	1650	442	181	230	279
21	553	93	127	270	136	581	305	1710	355	174	235	247
22	553	93	317	260	139	512	224	1850	405	176	248	223
23	560	96	628	280	148	565	164	1950	635	208	258	200
24	544	95	788	280	181	758	206	2490	605	259	254	187
25	467	95	713	290	307	755	407	3070	518	268	272	203
26	433	93	613	330	601	914	1960	3030	432	263	436	363
27	460	93	519	370	654	792	2110	2310	386	259	334	564
28	500	92	359	360	655	850	1230	1850	392	289	262	527
29	419	92	316	310	---	976	1270	1620	362	413	211	486
30	287	94	309	300	---	924	1170	1550	371	952	199	481
31	289	---	300	290	---	848	---	2670	---	711	261	---
TOTAL	13059	3961	8152	8607	8255	20199	23177	55378	21606	8738	10325	10890
MEAN	421	132	263	278	295	652	773	1786	720	282	333	363
AC-FT	25900	7860	16170	17070	16370	40060	45970	109800	42860	17330	20480	21600
MAX	560	364	788	403	655	976	2110	3070	2420	952	844	564
MIN	256	92	113	190	136	449	164	881	237	118	158	187

CAL YR	2006	TOTAL	87193	MEAN	239	MAX	1600	MIN	62	AC-FT	172900
WTR YR	2007	TOTAL	192347	MEAN	527	MAX	3070	MIN	92	AC-FT	381500

MAX DISCH: 3620 CFS AT 20:15 ON May. 25, 2007 GH 5.9 FT. SHIFT -0.09 FT.
MAX GH: 5.9 FT. AT 20:15 ON May. 25, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06758500 SOUTH PLATTE RIVER NEAR WELDONA CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06759910 SOUTH PLATTE RIVER AT BALZAC, CO

LOCATION.--Lat 40°21'28", long 103°31'43", in SW¼NE¼ sec. 33, T.5 N., R.55 W., Morgan County, Hydrologic Unit 10190012, on bank 4.3 mi northeast of Snyder, and 0.7 mi downstream from North Sterling Canal.

DRAINAGE AREA AND PERIOD OF RECORD.--16,623 mi²; Oct. 1916 to present, prior to Oct. 1933: monthly discharge only.

GAGE.--Stevens A-35 type graphic water stage recorder, satellite monitoring Sutron 8210 DCP and shaft encoder and stilling well. Gage is referenced with an electric tape and there is a supplemental outside wire weight. The DCP is equipped with a speech modem.

REMARKS.--The primary record is hourly averages of fifteen-minute data taken from satellite monitoring with chart back up. The record is complete, reliable, and good, except for the following days with partially plugged inlets, which were fair to poor. These days are rated fair: October 9, 11, 18, 19; November 2; December 6, 2006; January 19; February 25; March 5; April 1; May 14, 16, 17; June 16; July 30; August 5, 6, 8, 9, 12, 13, 26, 27; September 3, 4, 26, 27, 2007. These days are considered totally estimated and poor: October 10; December 23, 24, 2006; February 26, 27; March 28, 29; June 23-25, 2007. Also, flows above 1640 cfs, including the peak flow, should be considered fair since they are based on stage-shift relations using high measurements from previous years. Station maintained by Bob Erosky and record developed by Bob Erosky and Bob Cooper.

RATING TABLE.--PLABALCO03 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

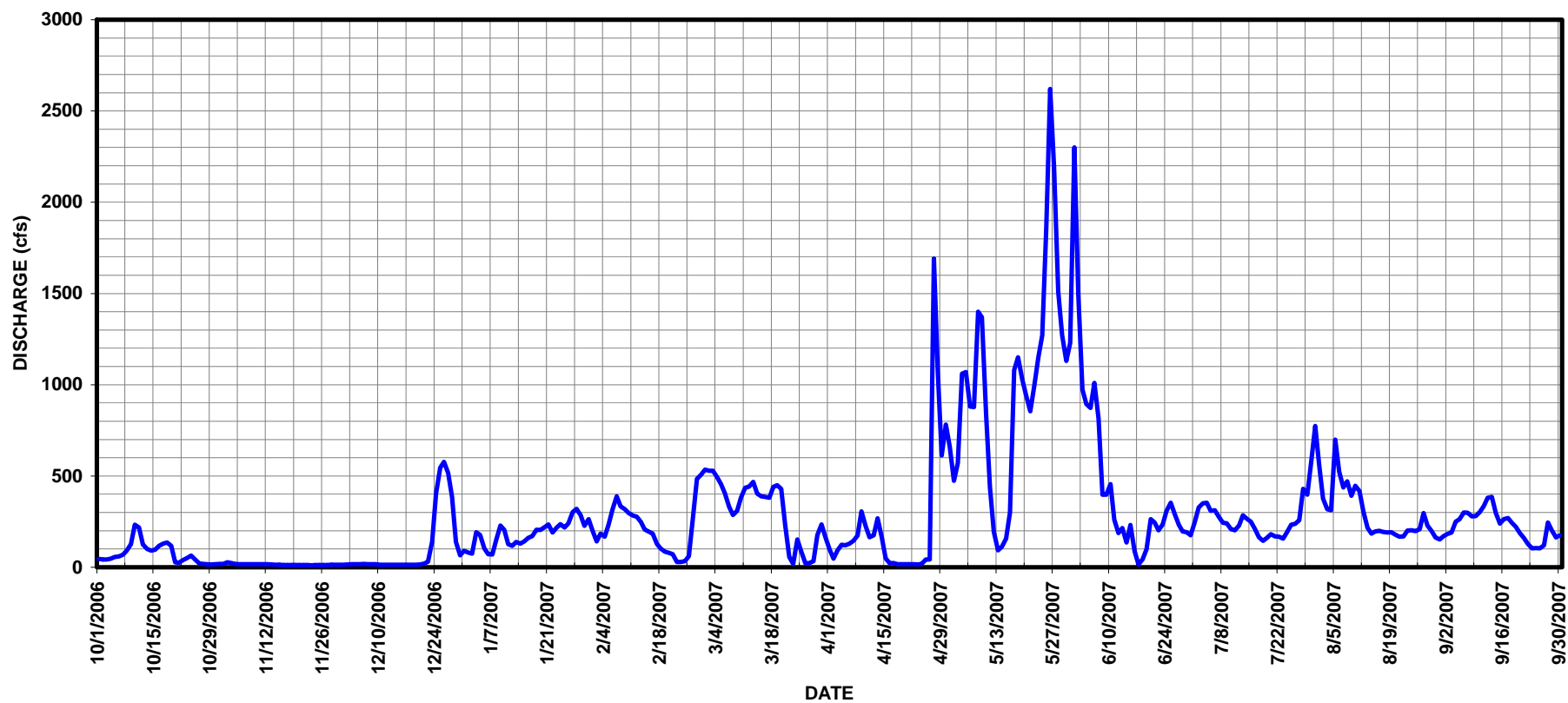
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	19	14	81	201	535	98	659	2300	248	562	170
2	43	28	15	75	142	529	47	474	1500	327	376	183
3	43	23	16	192	185	528	91	572	974	350	319	190
4	47	18	17	177	168	494	124	1060	895	353	312	250
5	57	17	17	103	234	455	120	1070	873	310	700	263
6	60	16	18	71	317	406	130	880	1010	312	524	300
7	69	16	17	70	389	332	145	877	814	278	437	299
8	91	17	16	151	334	287	174	1400	397	244	471	279
9	127	16	16	228	318	309	306	1370	397	241	391	280
10	233	16	14	204	297	383	225	842	455	208	446	303
11	218	16	14	126	283	435	165	437	260	202	417	335
12	125	16	14	117	277	442	175	193	187	228	307	381
13	101	15	14	138	249	467	268	93	215	285	217	385
14	92	14	14	129	207	403	164	113	136	265	184	299
15	96	13	14	141	195	389	48	157	232	250	196	239
16	118	12	14	161	185	385	23	300	88	209	199	263
17	130	12	13	170	128	381	23	1080	15	164	194	269
18	136	12	13	205	102	441	17	1150	44	144	190	244
19	118	12	14	204	85	450	16	1030	99	161	192	221
20	27	12	15	219	79	430	16	941	264	181	179	187
21	25	12	20	234	72	234	16	855	245	169	167	160
22	39	12	31	191	29	57	16	990	203	167	169	128
23	51	11	140	217	29	18	15	1150	234	157	201	103
24	64	12	404	236	34	153	18	1270	309	192	203	105
25	43	12	546	218	61	87	43	1860	354	233	198	104
26	22	12	577	240	278	21	43	2620	292	238	208	121
27	18	12	517	302	485	23	1690	2190	233	258	297	246
28	17	13	385	320	507	33	1070	1510	196	430	228	200
29	15	13	139	286	---	177	612	1270	192	397	198	164
30	17	13	66	227	---	234	782	1130	175	577	163	175
31	18	---	90	264	---	164	---	1230	---	774	153	---
TOTAL	2306	442	3214	5697	5870	9682	6680	30773	13588	8552	8998	6846
MEAN	74.4	14.7	104	184	210	312	223	993	453	276	290	228
AC-FT	4570	877	6370	11300	11640	19200	13250	61040	26950	16960	17850	13580
MAX	233	28	577	320	507	535	1690	2620	2300	774	700	385
MIN	15	11	13	70	29	18	15	93	15	144	153	103

CAL YR	2006	TOTAL	43339	MEAN	119	MAX	1120	MIN	11	AC-FT	85960
WTR YR	2007	TOTAL	102648	MEAN	281	MAX	2620	MIN	11	AC-FT	203600

MAX DISCH: 2980 CFS AT 11:00 ON May. 26, 2007 GH 5.82 FT. SHIFT -1.20 FT.
MAX GH: 5.82 FT. AT 11:00 ON May. 26, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06759910 SOUTH PLATTE RIVER AT BALZAC CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec. 33, T.12 N., R.44 W., Sedgwick County, on right bank of channel No 2 (right channel) 5 ft downstream from bridge on U.S. Highway 385, 0.9 mi southeast of Julesburg, 3.0 mi upstream from Colorado-Nebraska State line, and 8 mi downstream from Lodgepole Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--23,821 mi². April 1902 to current year. Monthly data only for some periods. Published as near Julesburg and at Ovid in earlier years.

GAGE.--Satellite monitoring DCP connected to a Sutron Accubbler. A wire weight gage on the bridge is used to reference the bubbler. The accubbler is located on the bridge next to the shaft encoder in the bridge well. Datum of gage formerly 3,448.51 ft. MSL (NGVD 1929), 3449.50 ft MSL (NAVD 1988) confirmed by level circuit in 2005.

REMARKS.--The primary record is the hourly averages of 15-minute satellite monitoring data. The record is complete, reliable, and good, except for the following periods, which are estimated and poor: April 16-21, 25; May 7, 8, 12; June 18-20, 27-30; and July 1-3, 2007. April 16-21, and Jun 27-Jul 3 are estimates due to a lack of precise observations of zero flow. April 25 had a large correction applied to the GH. May 7-8 and June 18-20 are days with missing record. May 12 is considered estimated because it exceeded the measurement range on the stage-shift table that the discharge was computed from. During the periods: October 1, 2006 - April 15, 2007, and July 4 - September 30, 2007, water was present at bubbler orifice to record a GH, but ponded. No flow occurred. In the winter, ice accumulated on the ponded water and raised the GH, but no flow occurred. "No flow" was confirmed by observations throughout these periods. No flow occurred in Channel 2 in water year 2006, so the calendar year 2006 total is indeed zero. This record is added to the records from channels 1 and 4 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained by Bob Erosky and record developed by Bob Cooper.

RATING TABLE.--PLAJURCO19 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

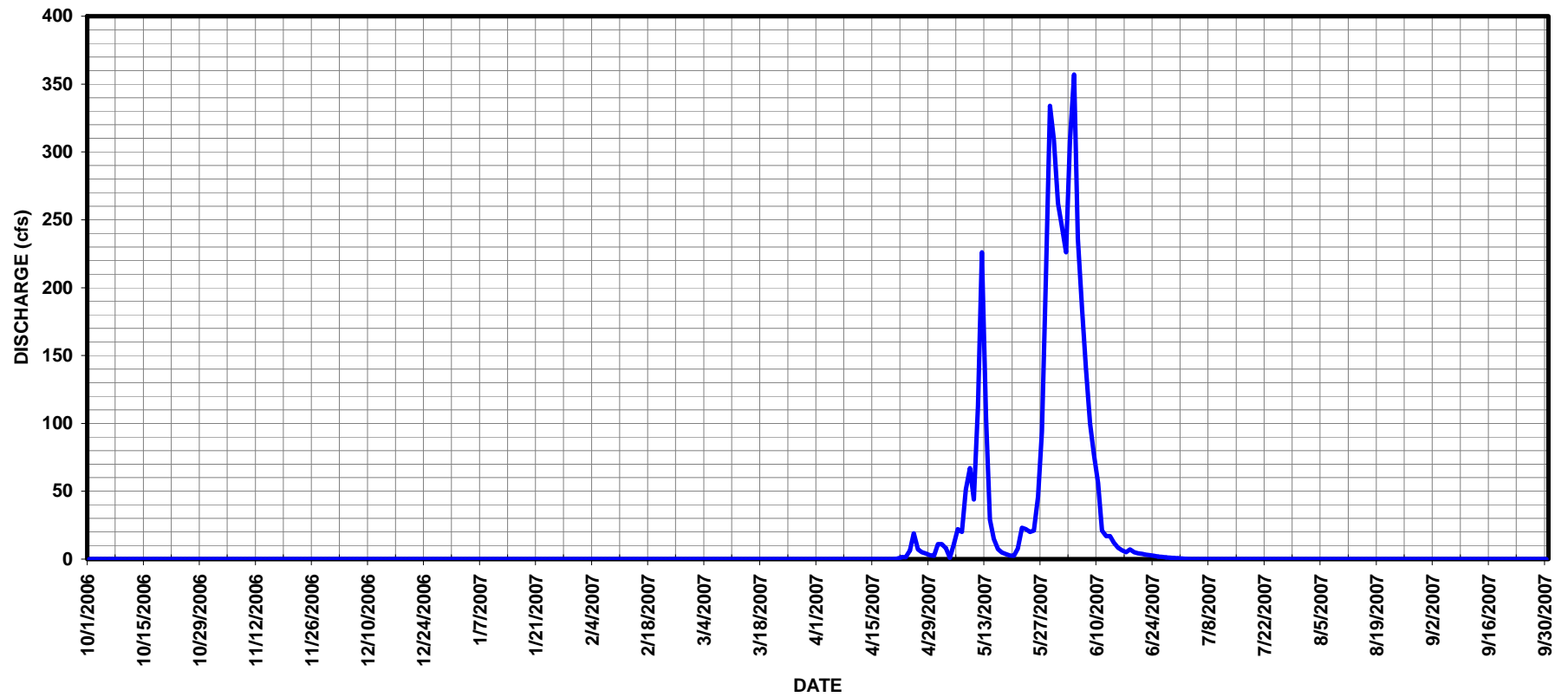
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	11	245	.38	0	0
2	0	0	0	0	0	0	0	11	226	.20	0	0
3	0	0	0	0	0	0	0	8.0	308	.06	0	0
4	0	0	0	0	0	0	0	.97	357	0	0	0
5	0	0	0	0	0	0	0	11	236	0	0	0
6	0	0	0	0	0	0	0	22	185	0	0	0
7	0	0	0	0	0	0	0	20	141	0	0	0
8	0	0	0	0	0	0	0	51	100	0	0	0
9	0	0	0	0	0	0	0	67	77	0	0	0
10	0	0	0	0	0	0	0	44	56	0	0	0
11	0	0	0	0	0	0	0	113	21	0	0	0
12	0	0	0	0	0	0	0	226	17	0	0	0
13	0	0	0	0	0	0	0	104	17	0	0	0
14	0	0	0	0	0	0	0	29	12	0	0	0
15	0	0	0	0	0	0	0	15	8.4	0	0	0
16	0	0	0	0	0	0	0	7.3	6.6	0	0	0
17	0	0	0	0	0	0	.04	4.9	5.1	0	0	0
18	0	0	0	0	0	0	.08	3.7	7.2	0	0	0
19	0	0	0	0	0	0	.08	2.7	5.2	0	0	0
20	0	0	0	0	0	0	.03	2.4	4.3	0	0	0
21	0	0	0	0	0	0	.46	7.7	3.8	0	0	0
22	0	0	0	0	0	0	1.5	23	3.2	0	0	0
23	0	0	0	0	0	0	1.5	22	2.8	0	0	0
24	0	0	0	0	0	0	6.3	20	2.4	0	0	0
25	0	0	0	0	0	0	19	21	1.9	0	0	0
26	0	0	0	0	0	0	7.1	46	1.7	0	0	0
27	0	0	0	0	0	0	5.1	94	1.3	0	0	0
28	0	0	0	0	0	0	4.1	213	1.0	0	0	0
29	0	0	0	0	---	0	2.9	334	.72	0	0	0
30	0	0	0	0	---	0	2.4	309	.55	0	0	0
31	0	---	0	0	---	0	---	262	---	0	0	---
TOTAL	0	0	0	0	0	0	50.59	2105.67	2054.17	.64	0	0
MEAN	0	0	0	0	0	0	1.69	67.9	68.5	.021	0	0
AC-FT	0	0	0	0	0	0	100	4180	4070	1.3	0	0
MAX	0	0	0	0	0	0	19	334	357	.38	0	0
MIN	0	0	0	0	0	0	0	.97	.55	0	0	0

CAL YR	2006	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2007	TOTAL	4211.07	MEAN	11.5	MAX	357	MIN	0	AC-FT	8350

MAX DISCH: 385 CFS AT 18:15 ON Jun. 3, 2007 GH 5.55 FT. SHIFT -0.77 FT.
MAX GH: 5.55 FT. AT 18:15 ON Jun. 3, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06763990 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 2
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec. 33, T.12 N., R.44 W., on Highway 385 bridge south of Julesburg CO.

DRAINAGE AREA.--23,821 mi².

GAGE.--Satellite monitoring DCP (Sutron 8210) connected to an AccuBubbler. A wire weight gage on the bridge is used to reference the gage, with a supplemental staff located on the bridge pier closest to the shelter. A telephone & speech modem are installed so that the gage can be accessed by phone (970-474-0948). Datum of gage formerly 3,448.51 ft. MSL (NGVD 1929), 3449.50 ft MSL (NAVD 1988) confirmed by level circuit in 2005.

REMARKS.--The primary record is hourly averages of 15-minute satellite monitoring data. The record is complete, reliable, and good, except for the following periods. The following days have some degree of estimation and are rated fair: November 30, December 5, 25-28, 2006, January 9-11, March 9-10, June 5, September 18-27, 2007. The following period, which includes March 9-10 previously listed, is also fair due to variations in shifts: February 11-14, 18-28, March 1 - May 9, 2007. The following days are estimated and poor: December 30, 2006, January 4, 6-8, 12-31, February 1-10, 15-17, 2007. This record is added to the records from channels 2 and 4 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained by Bob Erosky and record developed by Bob Erosky and Bob Cooper.

RATING TABLE.--ONEJURCO06 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

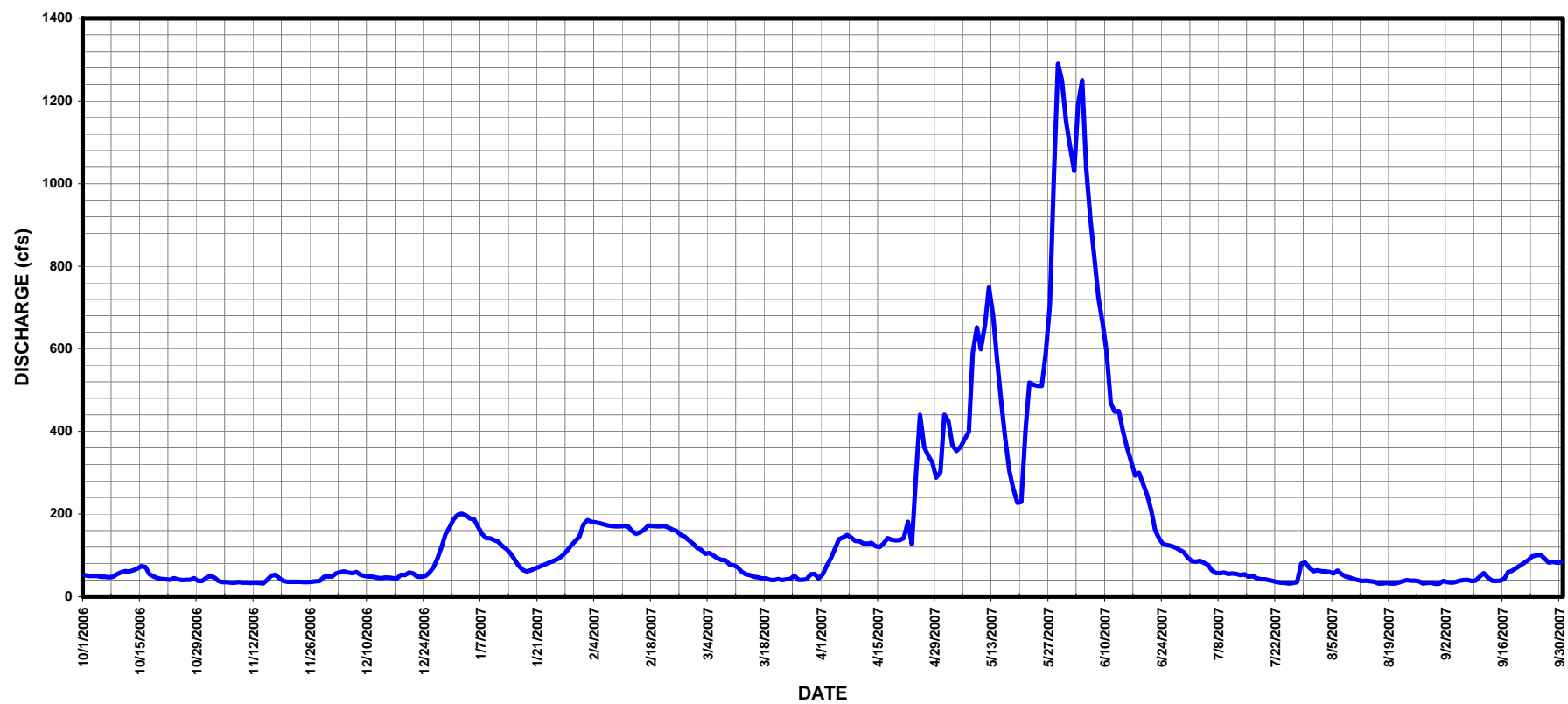
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	50	49	198	175	119	54	440	1090	86	64	38
2	50	46	56	201	185	113	76	425	1030	85	62	35
3	50	38	60	197	181	104	93	367	1190	87	61	34
4	50	35	61	189	180	106	117	353	1250	82	60	35
5	48	35	58	187	178	100	139	363	1040	77	56	39
6	48	34	57	169	175	93	144	381	916	64	63	40
7	47	34	60	151	172	89	149	399	817	57	54	41
8	48	35	53	142	171	88	143	590	723	57	49	38
9	54	34	50	141	170	78	135	652	661	58	46	39
10	59	34	49	137	170	76	134	599	592	55	43	48
11	62	33	48	133	171	71	129	659	469	56	40	57
12	61	34	46	123	170	60	128	749	448	55	38	47
13	64	33	45	115	159	54	130	679	449	52	39	39
14	68	32	46	105	152	52	122	574	402	54	37	38
15	74	40	46	90	156	48	120	470	361	48	36	39
16	72	51	45	75	162	47	129	383	329	50	32	43
17	54	53	44	65	172	44	142	303	293	45	32	59
18	49	45	53	61	171	44	138	262	300	42	33	63
19	45	38	52	64	170	41	136	227	273	42	32	69
20	43	36	58	68	170	40	137	229	247	40	32	76
21	42	36	56	72	171	43	142	403	209	38	34	82
22	41	36	48	76	167	40	181	518	161	35	37	89
23	45	36	48	80	162	42	127	513	140	34	40	98
24	42	35	50	84	159	43	298	510	127	33	39	100
25	40	35	58	88	149	51	440	510	125	32	39	102
26	41	36	71	93	145	41	362	588	123	33	37	92
27	41	37	92	101	136	41	342	706	119	35	32	83
28	45	38	121	112	128	42	325	1010	113	80	33	84
29	38	48	151	124	---	54	288	1290	108	83	34	83
30	38	49	168	135	---	55	301	1250	95	70	31	83
31	46	---	188	145	---	44	---	1150	---	62	31	---
TOTAL	1557	1156	2087	3721	4627	1963	5301	17552	14200	1727	1296	1813
MEAN	50.2	38.5	67.3	120	165	63.3	177	566	473	55.7	41.8	60.4
AC-FT	3090	2290	4140	7380	9180	3890	10510	34810	28170	3430	2570	3600
MAX	74	53	188	201	185	119	440	1290	1250	87	64	102
MIN	38	32	44	61	128	40	54	227	95	32	31	34

CAL YR	2006	TOTAL	24177	MEAN	66.2	MAX	255	MIN	17	AC-FT	48960
WTR YR	2007	TOTAL	57000	MEAN	156	MAX	1290	MIN	31	AC-FT	113100

MAX DISCH: 1330 CFS AT 20:45 ON May. 29, 2007 GH 6.61 FT. SHIFT 0.06 FT.
MAX GH: 6.61 FT. AT 20:45 ON May. 29, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06763990 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 1
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06763980 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 4 (INCLUDES FLOW FROM CHANNEL NO 3)

LOCATION.--Lat 40°58'46", long 102°15'15", in NW¼NE¼ sec. 33, T.12 N., R.44 W., Sedgwick County, Hydrologic Unit 10190018, on left bank of channel No 4 (left channel) 215 ft downstream from bridge on U.S. Highway 385, 0.9 mi southeast of Julesburg, 3.0 mi upstream from Colorado-Nebraska State line, and 8 mi downstream from Lodgepole Creek.

DRAINAGE AREA.--23,821 mi².

GAGE.--Metal pipe shelter and well. Supplemental outside chain gage. The chart recorder was removed on October 20, 2005. DCP was removed in 2006. GH record was not kept in 2007. Station description is in the South Platte at Julesburg-combined flow-record envelope.

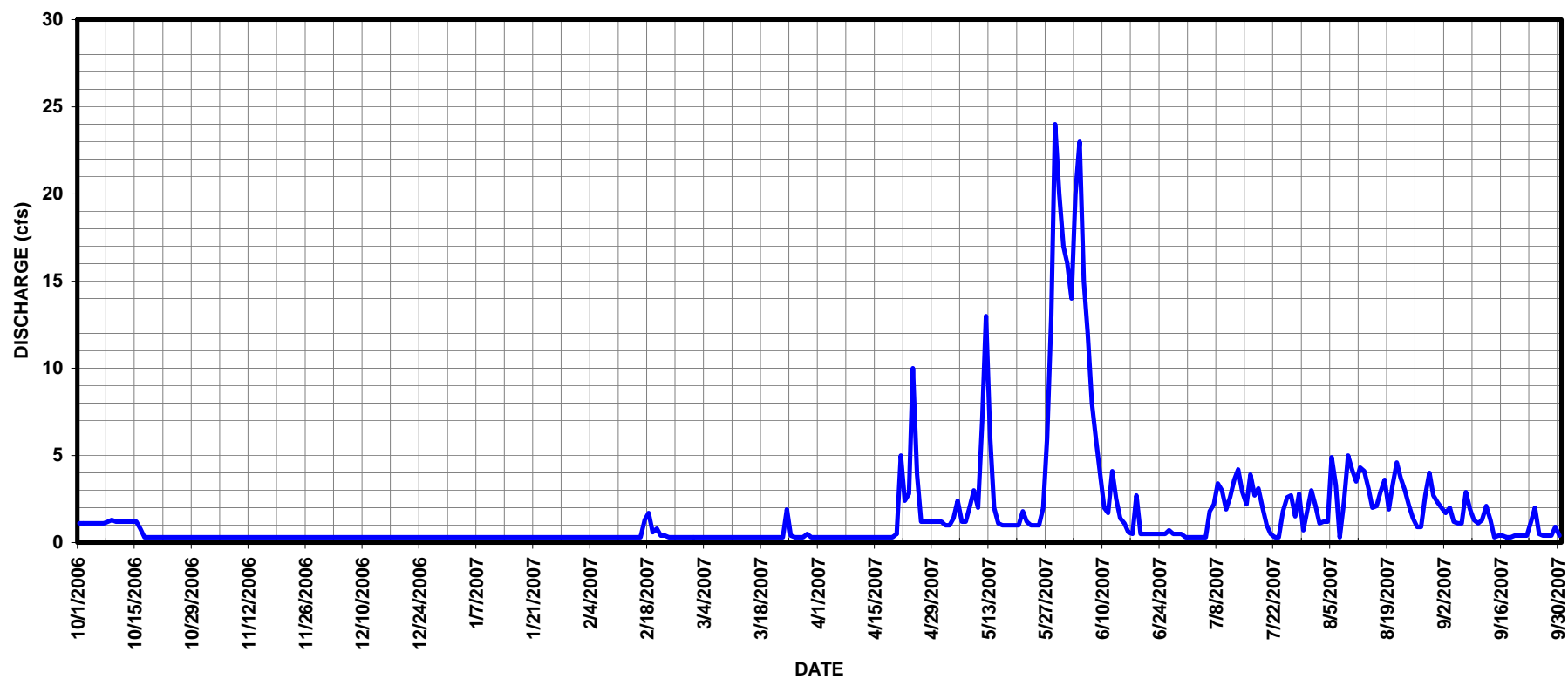
REMARKS.--Gage height record is unreliable at this gage due to ponding from the vegetative growth during the recent drought period. Gage height data were not collected in WY2007. Daily discharges for this location are estimated from record on the Julesburg Return Ditch, measurements, and comparison with channel 2 flows. Discharge was estimated for the entire year by adding discharges for the Julesburg return ditch to a base flow for the channel. The ditch control is a concrete spill, so these figures are considered good. However, the base flow is totally estimated using measurements and comparison with flows in Channel 2. The record is estimated and poor. This record is added to the daily flows of channels 1 and 2 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained by Bob Erosky and record developed by Bob Cooper.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.30	.30	.30	.30	.30	.30	1.2	16	.30	2.1	2.0
2	1.1	.30	.30	.30	.30	.30	.30	1.0	14	.30	1.1	1.7
3	1.1	.30	.30	.30	.30	.30	.30	1.0	20	.30	1.2	2.0
4	1.1	.30	.30	.30	.30	.30	.30	1.4	23	.30	1.2	1.2
5	1.1	.30	.30	.30	.30	.30	.30	2.4	15	.30	4.9	1.1
6	1.1	.30	.30	.30	.30	.30	.30	1.2	12	1.8	3.3	1.1
7	1.1	.30	.30	.30	.30	.30	.30	1.2	8.0	2.2	.30	2.9
8	1.2	.30	.30	.30	.30	.30	.30	2.1	6.0	3.4	2.3	1.9
9	1.3	.30	.30	.30	.30	.30	.30	3.0	4.0	3.0	5.0	1.3
10	1.2	.30	.30	.30	.30	.30	.30	2.0	2.0	1.9	4.2	1.1
11	1.2	.30	.30	.30	.30	.30	.30	7.0	1.7	2.6	3.5	1.3
12	1.2	.30	.30	.30	.30	.30	.30	13	4.1	3.6	4.3	2.1
13	1.2	.30	.30	.30	.30	.30	.30	6.0	2.5	4.2	4.1	1.3
14	1.2	.30	.30	.30	.30	.30	.30	2.0	1.4	2.9	3.1	.30
15	1.2	.30	.30	.30	.30	.30	.30	1.1	1.1	2.2	2.0	.40
16	.80	.30	.30	.30	.30	.30	.30	1.0	.60	3.9	2.1	.40
17	.30	.30	.30	.30	1.3	.30	.30	1.0	.50	2.7	2.9	.30
18	.30	.30	.30	.30	1.7	.30	.30	1.0	2.7	3.1	3.6	.30
19	.30	.30	.30	.30	.60	.30	.30	1.0	.50	2.0	1.9	.40
20	.30	.30	.30	.30	.80	.30	.50	1.0	.50	1.0	3.3	.40
21	.30	.30	.30	.30	.40	.30	5.0	1.8	.50	.50	4.6	.40
22	.30	.30	.30	.30	.40	.30	2.4	1.2	.50	.30	3.7	.40
23	.30	.30	.30	.30	.30	.30	2.8	1.0	.50	.30	3.0	1.2
24	.30	.30	.30	.30	.30	1.9	10	1.0	.50	1.8	2.1	2.0
25	.30	.30	.30	.30	.30	.40	3.9	1.0	.50	2.6	1.4	.50
26	.30	.30	.30	.30	.30	.30	1.2	2.0	.70	2.7	.90	.40
27	.30	.30	.30	.30	.30	.30	1.2	6.0	.50	1.5	.90	.40
28	.30	.30	.30	.30	.30	.30	1.2	13	.50	2.8	2.7	.40
29	.30	.30	.30	.30	---	.50	1.2	24	.50	.70	4.0	.90
30	.30	.30	.30	.30	---	.30	1.2	20	.30	1.9	2.7	.40
31	.30	---	.30	.30	---	.30	---	17	---	3.0	2.3	---
TOTAL	22.70	9.00	9.30	9.30	11.80	11.20	36.30	138.6	140.60	60.10	84.70	30.50
MEAN	.73	.30	.30	.30	.42	.36	1.21	4.47	4.69	1.94	2.73	1.02
AC-FT	45	18	18	18	23	22	72	275	279	119	168	60
MAX	1.3	.30	.30	.30	1.7	1.9	10	24	23	4.2	5.0	2.9
MIN	.30	.30	.30	.30	.30	.30	.30	1.0	.30	.30	.30	.30
CAL YR 2006	TOTAL	259.45	MEAN	0.71	MAX	7.4	MIN	0	AC-FT	515		
WTR YR 2007	TOTAL	564.1	MEAN	1.55	MAX	24	MIN	.3	AC-FT	1120		

MAX DISCH: NOT DETERMINED
MAX GH: NOT DETERMINED

06763980 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 4 (INCLUDES FLOW FROM CHANNEL
NO 3)
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

LOCATION.--See Channel No.2 and Channel No.4.

DRAINAGE AREA AND PERIOD OF RECORD.--23,821 mi²; Apr. 1902 to present. Monthly discharge for some periods published in USGS WSP 1310.

GAGE.--For the past few years virtually all of the total flow was in Channel One. In 2007, flows got high enough in the spring to split river water into both channels 2 and 4. Channel Two had live flow in April through June, but was dry the rest of the year. Channel Four had a trickle of base flow, some augmentation and storm water in the spring and summer, and a short period of river water when flows peaked in the other two channels. The Channel 4 gage was abandoned last year due to swampy conditions. Flows this year were estimated using observations, measurements, and data from a ditch return gage located about ¼ mile above the old Channel 4 gage site. The return gage is fairly accurate and has satellite monitoring.

REMARKS.--Each channel had estimated periods this year. If an individual channel's estimation contributed a significant percentage to the total flow for a particular day (>10% of mean daily Q), then the combined flow is considered estimated for that day. The combined flow record is good, except for December 30, 2006, January 4, 6-8, 12-31, February 1-10, 15-17, May 12, August 21, 29-31, September 1-5, 2007, which are estimated and poor; and November 30, December 1-5, 25-28, 2006, January 9-11, February 11-14, 18-28, Mar 1 - May 9, June 5, September 18-27, 2007, which are fair. Much work went into estimating the flow in Channel 4, and gaging the overflow that went into Channel 2. After all was done, Channel One still had 92% of the total flow, so the accuracy of the combined flow resides mainly with Channel One.

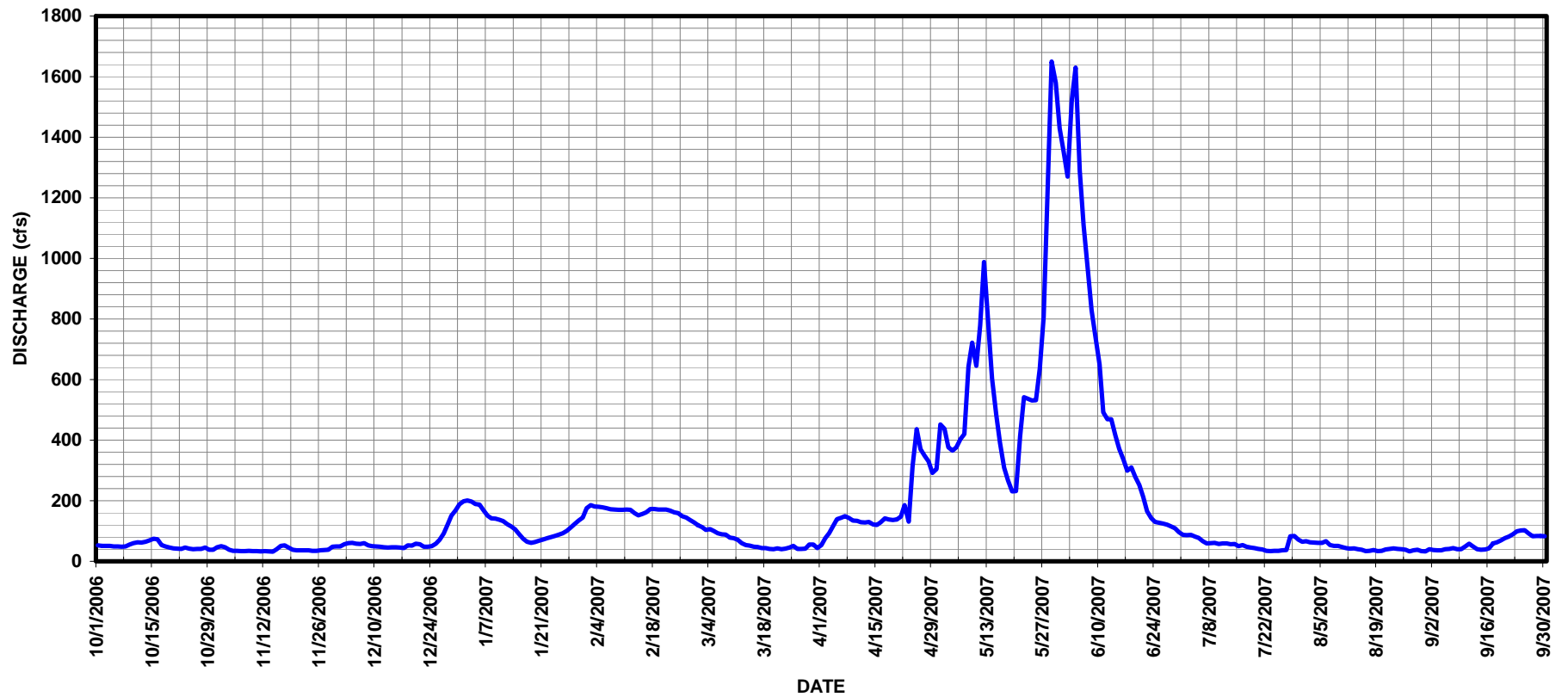
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	50	49	198	175	119	54	452	1350	87	66	40
2	51	46	56	201	185	113	76	437	1270	86	63	37
3	51	38	60	197	181	104	93	376	1520	87	62	36
4	51	35	61	189	180	106	117	365	1630	82	61	36
5	49	35	58	187	178	100	139	376	1290	77	61	40
6	49	34	57	169	175	93	144	404	1110	66	66	41
7	48	34	60	151	172	89	149	420	966	59	54	44
8	49	35	53	142	171	88	143	643	829	60	51	40
9	55	34	50	141	170	78	135	722	742	61	51	40
10	60	34	49	137	170	76	134	645	650	57	47	49
11	63	33	48	133	171	71	129	779	492	59	44	58
12	62	34	46	123	170	60	128	988	469	59	42	49
13	65	33	45	115	159	54	130	789	469	56	43	40
14	69	32	46	105	152	52	122	605	415	57	40	38
15	75	40	46	90	156	48	120	486	371	50	38	39
16	73	51	45	75	162	47	129	391	336	54	34	43
17	54	53	44	65	173	44	142	309	299	48	35	59
18	49	45	53	61	173	44	138	267	310	45	37	63
19	45	38	52	64	171	41	136	231	279	44	34	69
20	43	36	58	68	171	40	138	232	252	41	35	76
21	42	36	56	72	171	43	147	413	213	39	39	82
22	41	36	48	76	167	40	185	542	165	35	41	89
23	45	36	48	80	162	42	131	536	143	34	43	99
24	42	35	50	84	159	45	314	531	130	35	41	102
25	40	35	58	88	149	51	436	532	127	35	40	103
26	41	36	71	93	145	41	370	636	125	36	38	92
27	41	37	92	101	136	41	348	806	121	37	33	83
28	45	38	121	112	128	42	330	1240	115	83	36	84
29	38	48	151	124	---	55	292	1650	109	84	38	84
30	38	49	168	135	---	55	305	1580	96	72	34	83
31	46	---	188	145	---	44	---	1430	---	65	33	---
TOTAL	1573	1156	2087	3721	4632	1966	5354	19813	16393	1790	1380	1838
MEAN	50.7	38.5	67.3	120	165	63.4	178	639	546	57.7	44.5	61.3
AC-FT	3120	2290	4140	7380	9190	3900	10620	39300	32520	3550	2740	3650
MAX	75	53	188	201	185	119	436	1650	1630	87	66	103
MIN	38	32	44	61	128	40	54	231	96	34	33	36

CAL YR	2006	TOTAL	24502	MEAN	67.1	MAX	255	MIN	18	AC-FT	48600
WTR YR	2007	TOTAL	61703	MEAN	169	MAX	1650	MIN	32	AC-FT	122400

MAX DISCH: 1730 CFS AT 21:00 ON Jun 3, 2007 GH 6.59 FT. SHIFT N/A
MAX GH: 6.61 FT. AT 20:45 ON May 29, 2007

06764000 SOUTH PLATTE RIVER AT JULESBURG CO (COMBINED)
WY2007 HYDROGRAPH



PLATTE RIVER BASIN

STATELINE DITCH RETURN NEAR JULESBURG CO

LOCATION.--Lat 40°59'58", long 102°14'55", in NW1/4 NW1/4 of sec 27, T. 12N, R. 44W, Yuma County, East of Julesburg, Co. Gage is about 700 ft. north of US Highway 138 on Yuma County Road 43 near the Colorado-Nebraska Stateline.

DRAINAGE AREA.--Not determined.

GAGE.--Sutron SDR datalogger in a metal box over a small diameter stilling well at a 4-foot steel Parshall Flume set in concrete in an earthen ditch. Satellite monitoring DCP in NEMA box mounted on nearby posts. The primary reference is the flume staff. Gage is seasonal and is not operated in the winter. Julesburg irrigation district has a number of wells that pump directly into the ditch for delivery to the river as augmentation. This gage was established in 2001 to record the augmentation water. The gage is located on a lateral of the Stateline ditch that empties into the River in the area of the Julesburg Fairgrounds. The ditch itself continues on and tails out in the river just below the state line.

REMARKS.--The record is taken from hourly averages of 15-minute satellite data. The record is complete and reliable. The canal did not run water on October 18, 2006, October 20, 2006 - April 23, 2007, April 26 - May 3, 2007, and June 6-7, 2007. The record is considered fair due to lack of confirmation of the Parshall Flume rating by measurements. WY2007 is the first year to publish the record for this gage. Station maintained and record developed by Devin Ridnour.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

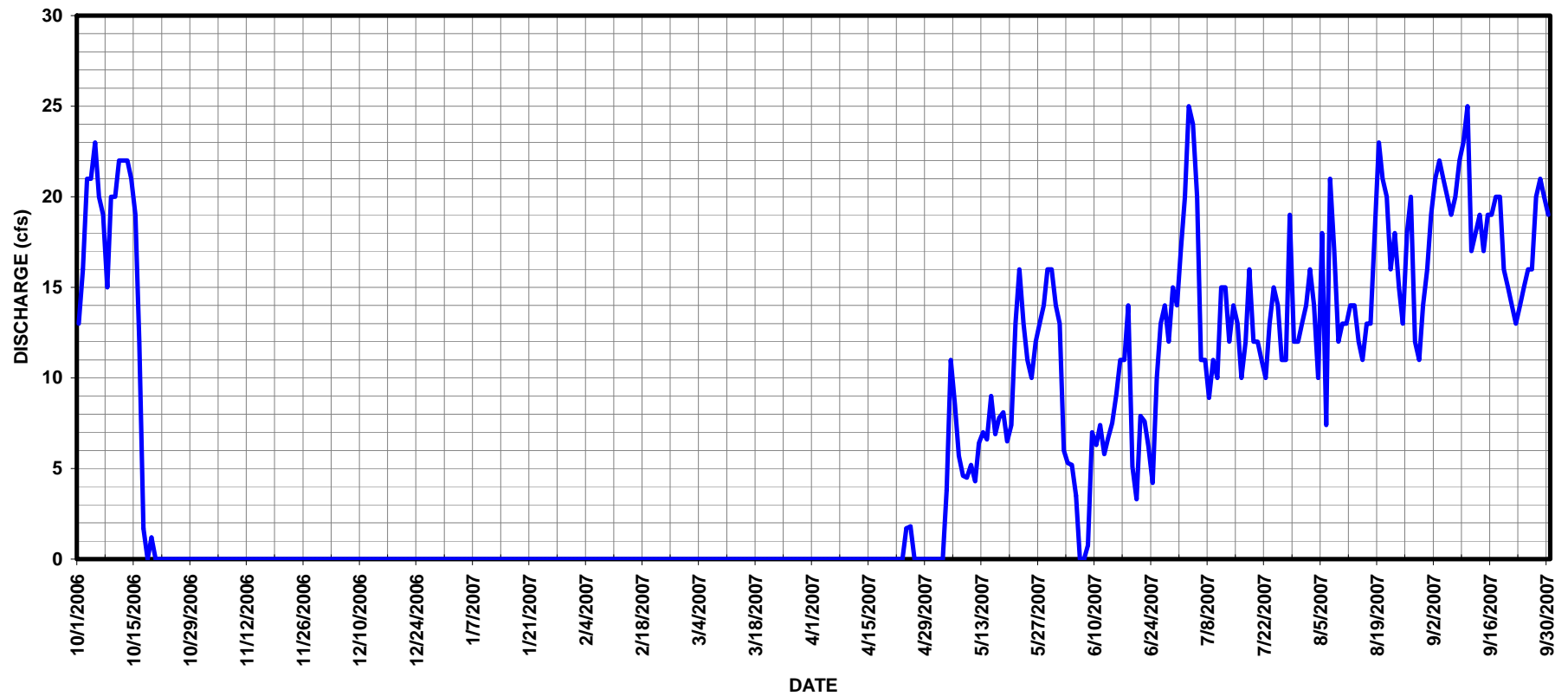
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	0	0	0	0	0	0	0	13	17	14	19
2	16	0	0	0	0	0	0	0	6.0	20	16	21
3	21	0	0	0	0	0	0	0	5.3	25	14	22
4	21	0	0	0	0	0	0	3.8	5.2	24	10	21
5	23	0	0	0	0	0	0	11	3.5	20	18	20
6	20	0	0	0	0	0	0	8.5	0	11	7.4	19
7	19	0	0	0	0	0	0	5.7	0	11	21	20
8	15	0	0	0	0	0	0	4.6	.76	8.9	17	22
9	20	0	0	0	0	0	0	4.5	7.0	11	12	23
10	20	0	0	0	0	0	0	5.2	6.3	10	13	25
11	22	0	0	0	0	0	0	4.3	7.4	15	13	17
12	22	0	0	0	0	0	0	6.4	5.8	15	14	18
13	22	0	0	0	0	0	0	7.0	6.7	12	14	19
14	21	0	0	0	0	0	0	6.6	7.5	14	12	17
15	19	0	0	0	0	0	0	9.0	9.1	13	11	19
16	12	0	0	0	0	0	0	6.9	11	10	13	19
17	1.7	0	0	0	0	0	0	7.8	11	12	13	20
18	0	0	0	0	0	0	0	8.1	14	16	18	20
19	1.2	0	0	0	0	0	0	6.5	5.1	12	23	16
20	0	0	0	0	0	0	0	7.4	3.3	12	21	15
21	0	0	0	0	0	0	0	13	7.9	11	20	14
22	0	0	0	0	0	0	0	16	7.6	10	16	13
23	0	0	0	0	0	0	0	13	6.2	13	18	14
24	0	0	0	0	0	0	1.7	11	4.2	15	15	15
25	0	0	0	0	0	0	1.8	10	10	14	13	16
26	0	0	0	0	0	0	0	12	13	11	18	16
27	0	0	0	0	0	0	0	13	14	11	20	20
28	0	0	0	0	0	0	0	14	12	19	12	21
29	0	0	0	0	---	0	0	16	15	12	11	20
30	0	0	0	0	---	0	0	16	14	12	14	19
31	0	---	0	0	---	0	---	14	---	13	16	---
TOTAL	308.9	0	0	0	0	0	3.5	261.3	231.86	429.9	467.4	560
MEAN	9.96	0	0	0	0	0	.12	8.43	7.73	13.9	15.1	18.7
AC-FT	613	0	0	0	0	0	6.9	518	460	853	927	1110
MAX	23	0	0	0	0	0	1.8	16	15	25	23	25
MIN	0	0	0	0	0	0	0	0	0	8.9	7.4	13
CAL YR	2006	TOTAL	N/A	MEAN	N/A	MAX	N/A	MIN	N/A	AC-FT	N/A	
WTR YR	2007	TOTAL	2262.86	MEAN	6.2	MAX	25	MIN	0	AC-FT	4490	

MAX DISCH: 62.9 CFS AT 19:45 ON Aug. 5, 2007 GH 2.38 FT. SHIFT 0 FT.
MAX GH: 2.38 FT. AT 19:45 ON Aug. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

STATELINE DITCH RETURN NEAR JULESBURG CO
WY2007 HYDROGRAPH



PLATTE RIVER BASIN
TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO

TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO, WY 2007

WATER YEAR 2007 (October 2006 - September 2007)

FROM THE COLORADO RIVER BASIN													
	2006			2007									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Adams Tunnel*	4170	249	10815	15752	11290	15426	13278	4871	1749	10176	16347	13778	117,902
Berthoud Pass Ditch	0	0	0	0	0	0	0	0	175	142	42.8	2.80	363
Boreas Pass Ditch	0	0	0	0	0	0	0	0	61.1	33.3	0	0	94.4
Grand River Ditch	197	0	0	0	0	0	0	1900	5053	1969	761	421	10,301
A.P. Gumlick Tunnel**	0	0	0	0	0	0	0	0	0	0	0	0	0
Moffat Tunnel	1103	681	541	378	249	350	633	5662	5010	3630	1902	1712	21,851
Roberts Tunnel	2360	926	274	0	244	6.90	0	0	2446	9616	4789	206	20,868
Straight Creek Tunnel	6.21	5.70	5.89	5.89	5.32	5.89	5.70	15.8	33.3	11.9	6.96	5.52	114
Vidler Tunnel	0	0	0	0	0	0	0	0	265	95.6	0	0	360
TOTALS FROM THE COLORADO RIVER BASIN (DAY-CFS)													171,854
TOTALS FROM THE COLORADO RIVER BASIN (ACRE-FT)													340,872
*West slope water only **Direct release to Clear Creek only. All other flow included in Moffat Tunnel													

FROM THE LARAMIE RIVER BASIN													
	2006			2007									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Bob Creek Ditch	0	0	0	0	0	0	0	104	58.4	0	0	0	162
Columbine Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0
Deadman Ditch	0	0	0	0	0	0	0	291	300	14.9	0	0	606
Laramie-Poudre Tunnel	0	0	0	0	0	0	0	2548	4774	1926	0	0	9,248
Skyline Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS FOR THE LARAMIE RIVER (DAY-CFS)													10,016
TOTALS FOR THE LARAMIE RIVER (Acre Feet, 19875 AF per CALENDAR Year Allowed Under Laramie River Agreement)													19,867
	2006			2007									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Wilson Supply Ditch (Gage)	0	0	0	0	0	0	0	1192	574	11.3	0	0	1,777
minus Deadman Ditch	0	0	0	0	0	0	0	291	300	14.9	0	0	606
= SAND CR. DIVERSION***	0	0	0	0	0	0	0	901	274	-3.59	0	0	1,171
*** Negative Numbers due to Deadman Ditch Losses													
TOTALS FROM THE LARAMIE RIVER BASIN (DAY-CFS)													11,187
TOTALS FROM THE LARAMIE RIVER BASIN (ACRE-FT)													22,190

FROM THE NORTH PLATTE RIVER BASIN													
	2006			2007									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Cameron Pass Ditch	0	0	0	0	0	0	0	2.27	45.0	0.49	0	0	47.7
Michigan Ditch	101	53.7	30.9	24.6	16.6	19.3	23.2	498	1206	504	220	146	2,844
TOTALS FROM THE NORTH PLATTE RIVER BASIN (DAY-CFS)													2,892
TOTALS FROM THE NORTH PLATTE RIVER BASIN (ACRE-FT)													5,736

SPECIAL CATEGORIES													
	2006			2007									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Hoosier Pass Tunnel *	7.00	51.5	0	0	0	1.15	91.9	1049	618	996	207	65.2	3,086
Aurora Homestake Pipeline**	976	762	1297	1240	1123	1197	1430	546	10.9	14.9	1218	0	9,815
* Diverts into Division One, but entire flow is piped to the City of Colorado Springs in Division 2 ** Contains a Mixture of Colorado River Water and Water Transferred from the Arkansas River													

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TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

AURORA HOMESTAKE PIPELINE ABOVE SPINNEY MOUNTAIN RESERVOIR

LOCATION.--Lat 38°56'53", long 105°41'02", in Park County above Spinney Mountain Reservoir.

PERIOD OF RECORD.--1998 to present.

GAGE.--Two 36" venturi meters in a pipeline, equipped with satellite monitoring. The DCP, venturi meters and facilities are owned and maintained by the City of Aurora. The Sutron SatLink 2 DCP operated at low data rate (100 baud) until January 10, 2007, when the DCP was upgraded to high data rate HDR (100 to 300 baud). There are two meters - one is the main discharge to Spinney, and the other discharge valve is for pressure-relief (surge) on the pipeline. Both releases are monitored with the DCP and by the combined Aurora and City of Colorado Springs Supervisory Control and Data Acquisition (SCADA) system.

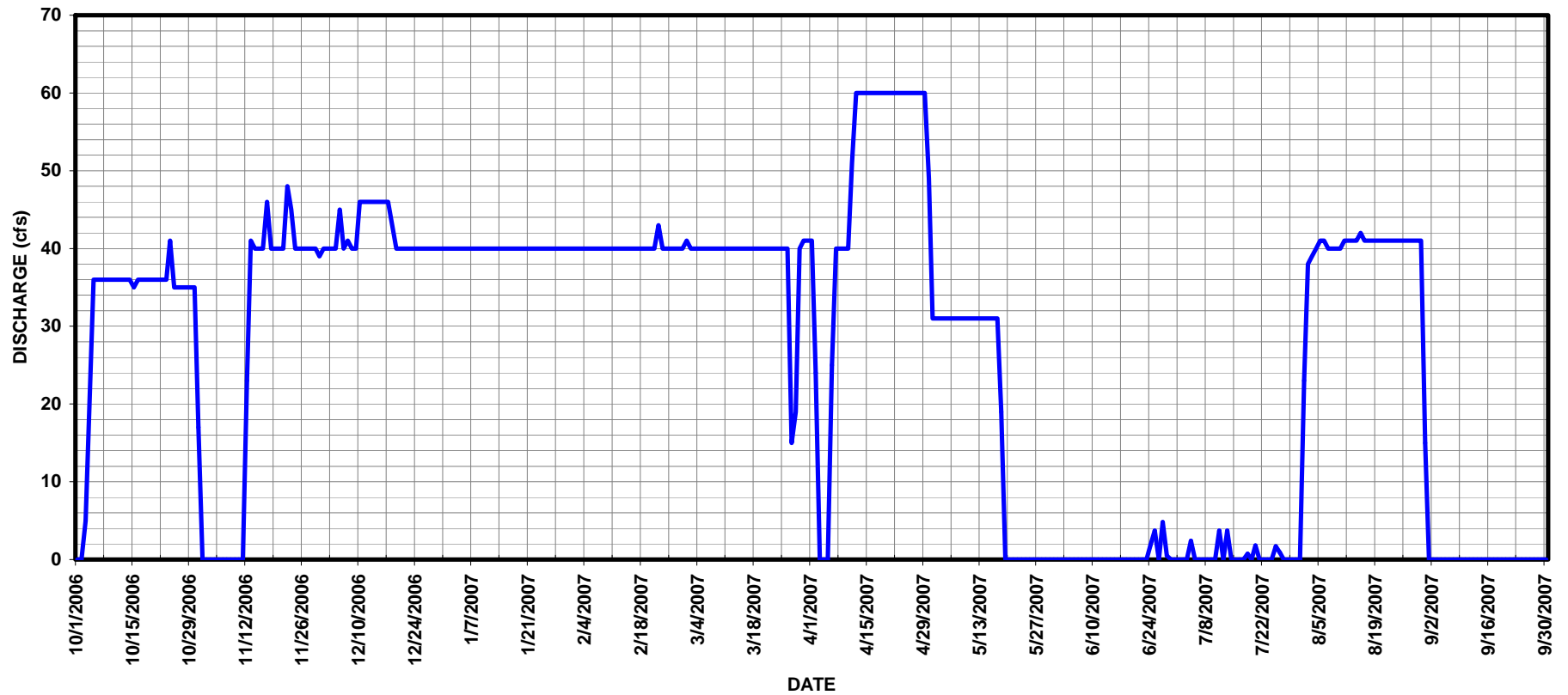
REMARKS.--The primary record is two sets of hourly discharges taken from satellite monitoring. Where DCP data were not available or reliable, values from the SCADA system accounting were used. After the SatLink 2 DCP was upgraded to HDR on Jan 10, 2007, programming errors upon decoding produced unreliable transmitted data for the period of Jan 10 - Sep 30, 2007. The DCP recorded correct hourly values and data downloaded directly from the DCP were used for the record. Missing data due to transmission errors were replaced by SCADA system values on Oct. 9-10, Dec 29-30, 2006, Jan 6, 8, 22, and Mar 11, 2007. The record must be regarded as fair until the meter is calibrated with discharge measurements. Record developed by Mike Wild.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	40	40	40	41	41	31	0	0	23	0
2	0	0	40	40	40	40	24	31	0	0	38	0
3	5.0	0	40	40	40	40	0	31	0	0	39	0
4	20	0	40	40	40	40	0	31	0	2.4	40	0
5	36	0	45	40	40	40	0	31	0	0	41	0
6	36	0	40	40	40	40	25	31	0	0	41	0
7	36	0	41	40	40	40	40	31	0	0	40	0
8	36	0	40	40	40	40	40	31	0	0	40	0
9	36	0	40	40	40	40	40	31	0	0	40	0
10	36	0	46	40	40	40	40	31	0	0	40	0
11	36	0	46	40	40	40	51	31	0	3.7	41	0
12	36	23	46	40	40	40	60	31	0	0	41	0
13	36	41	46	40	40	40	60	31	0	3.7	41	0
14	36	40	46	40	40	40	60	31	0	0	41	0
15	35	40	46	40	40	40	60	31	0	0	42	0
16	36	40	46	40	40	40	60	31	0	0	41	0
17	36	46	46	40	40	40	60	31	0	0	41	0
18	36	40	43	40	40	40	60	19	0	.73	41	0
19	36	40	40	40	40	40	60	0	0	0	41	0
20	36	40	40	40	40	40	60	0	0	1.8	41	0
21	36	40	40	40	40	40	60	0	0	0	41	0
22	36	48	40	40	43	40	60	0	0	0	41	0
23	36	45	40	40	40	40	60	0	0	0	41	0
24	41	40	40	40	40	40	60	0	1.9	0	41	0
25	35	40	40	40	40	40	60	0	3.7	1.7	41	0
26	35	40	40	40	40	40	60	0	0	.88	41	0
27	35	40	40	40	40	15	60	0	4.8	0	41	0
28	35	40	40	40	40	19	60	0	.49	0	41	0
29	35	40	40	40	---	40	60	0	0	0	41	0
30	35	39	40	40	---	41	49	0	0	0	41	0
31	17	---	40	40	---	41	---	0	---	0	15	---
TOTAL	976.0	762	1297	1240	1123	1197	1430	546	10.89	14.91	1218	0
MEAN	31.5	25.4	41.8	40.0	40.1	38.6	47.7	17.6	.36	.48	39.3	0
AC-FT	1940	1510	2570	2460	2230	2370	2840	1080	22	30	2420	0
MAX	41	48	46	40	43	41	60	31	4.8	3.7	42	0
MIN	0	0	40	40	40	15	0	0	0	0	15	0
CAL YR	2006	TOTAL	17908	MEAN	49.1	MAX	81	MIN	0	AC-FT	35520	
WTR YR	2007	TOTAL	9815	MEAN	26.9	MAX	60	MIN	0	AC-FT	19470	

MAX DISCH: 120 CFS AT 22:59 ON Nov. 22, 2006

AURORA HOMESTAKE PIPELINE ABOVE SPINNEY MOUNTAIN RESERVOIR CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

LOCATION.--Lat 39°21'33", long 106°04'37"; Park County, tunnel diverts water from tributaries of Blue River in Colorado River basin to Montgomery Res. (Middle Fork South Platte River) in sec. 14, T. 8 S., R. 78 W., in Platte River basin.

PERIOD OF RECORD.--1952 to present.

GAGE.--Graphic water-stage recorder (weekly) and satellite monitoring (SatLink 2 high data rate DCP logger) at an 8-foot Parshall Flume with a metal stilling well. Flume and equipment are housed inside the tunnel entrance. Facilities are owned and maintained by the City of Colorado Springs. Satellite equipment is owned and maintained by DWR.

REMARKS.--The record is developed from hourly averages of 15-minute satellite data, with chart backup. The record is complete and reliable. Chart data were used to fill in missing or faulty shaft encoder data with no loss of accuracy. The record is good due to increased definition by measurements. The flow is controlled by numerous diversions into the tunnel inlet from the Blue River drainage. Station maintained and record developed by Garver Brown.

RATING TABLE.--STD08FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

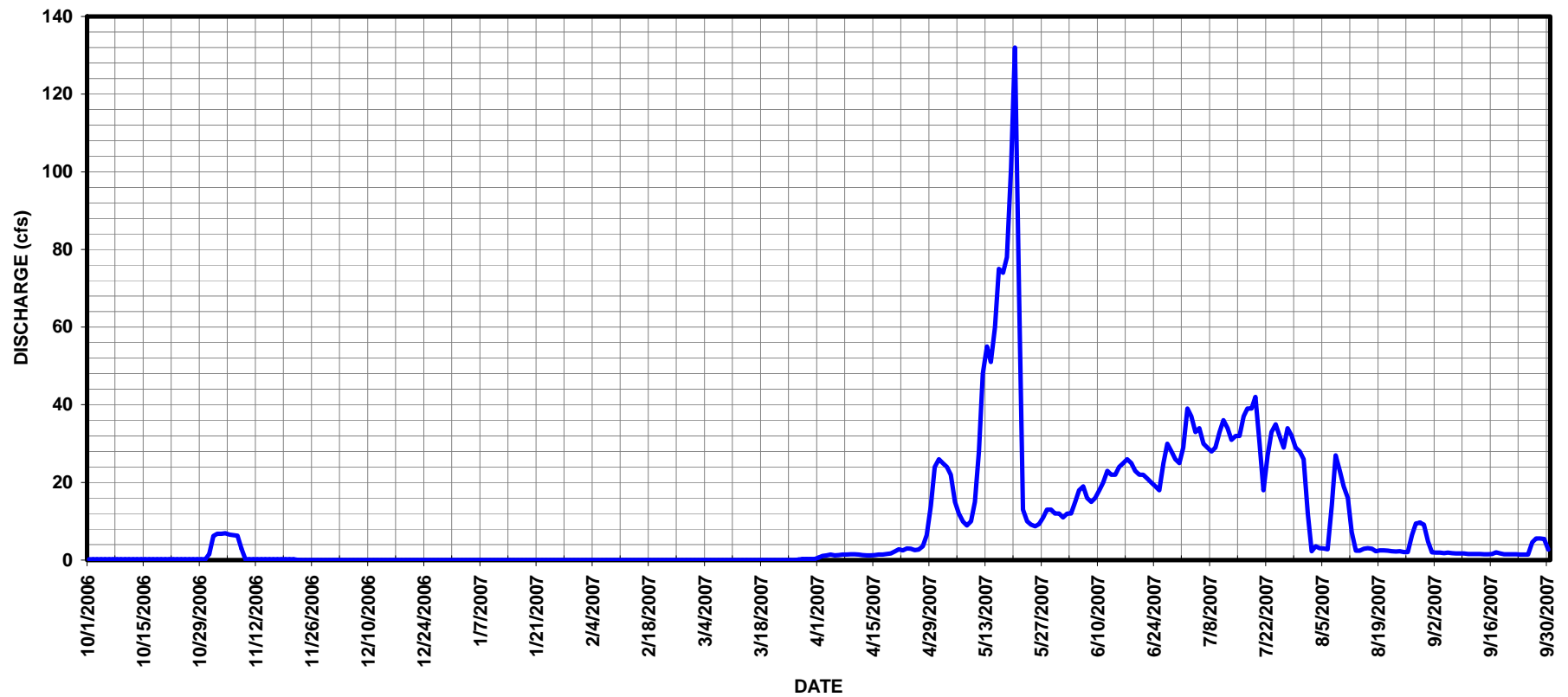
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	6.2	0	0	0	0	.65	26	11	29	12	2.0
2	.18	6.8	0	0	0	0	1.1	25	12	39	2.3	1.9
3	.18	6.8	0	0	0	0	1.2	24	12	37	3.6	1.9
4	.18	6.9	0	0	0	0	1.4	22	15	33	3.1	1.8
5	.18	6.6	0	0	0	0	1.2	15	18	34	3.0	1.9
6	.18	6.4	0	0	0	0	1.3	12	19	30	2.8	1.8
7	.18	6.3	0	0	0	0	1.4	9.9	16	29	14	1.7
8	.18	3.0	0	0	0	0	1.4	8.9	15	28	27	1.7
9	.18	.21	0	0	0	0	1.5	10	16	29	23	1.7
10	.18	.18	0	0	0	0	1.5	15	18	33	19	1.6
11	.18	.18	0	0	0	0	1.4	28	20	36	16	1.6
12	.18	.18	0	0	0	0	1.3	48	23	34	7.2	1.6
13	.18	.18	0	0	0	0	1.2	55	22	31	2.4	1.6
14	.18	.18	0	0	0	0	1.2	51	22	32	2.4	1.5
15	.18	.18	0	0	0	0	1.3	60	24	32	2.9	1.5
16	.18	.18	0	0	0	0	1.4	75	25	37	3.1	1.6
17	.18	.18	0	0	0	0	1.4	74	26	39	2.9	2.0
18	.18	.18	0	0	0	0	1.6	78	25	39	2.3	1.7
19	.18	.18	0	0	0	0	1.7	101	23	42	2.5	1.5
20	.18	.18	0	0	0	0	2.2	132	22	30	2.5	1.5
21	.18	.18	0	0	0	0	2.8	68	22	18	2.4	1.5
22	.18	.10	0	0	0	0	2.5	13	21	27	2.3	1.5
23	.18	0	0	0	0	0	3.0	10	20	33	2.2	1.4
24	.18	0	0	0	0	0	2.9	9.1	19	35	2.3	1.4
25	.18	0	0	0	0	0	2.6	8.7	18	32	2.1	1.4
26	.18	0	0	0	0	0	2.7	9.3	25	29	2.1	4.6
27	.18	0	0	0	0	.11	3.6	11	30	34	6.4	5.6
28	.18	0	0	0	0	.26	6.4	13	28	32	9.4	5.6
29	.18	0	0	0	---	.26	14	13	26	29	9.6	5.4
30	.18	0	0	0	---	.26	24	12	25	28	9.1	2.7
31	1.6	---	0	0	---	.26	---	12	---	26	4.8	---
TOTAL	7.00	51.47	0	0	0	1.15	91.85	1048.9	618	996	206.7	65.2
MEAN	.23	1.72	0	0	0	.037	3.06	33.8	20.6	32.1	6.67	2.17
AC-FT	14	102	0	0	0	2.3	182	2080	1230	1980	410	129
MAX	1.6	6.9	0	0	0	.26	24	132	30	42	27	5.6
MIN	.18	0	0	0	0	0	.65	8.7	11	18	2.1	1.4

CAL YR	2006	TOTAL	6132	MEAN	16.80	MAX	125	MIN	0	AC-FT	12160
WTR YR	2007	TOTAL	3086	MEAN	8.46	MAX	132	MIN	0	AC-FT	6120

MAX DISCH: 159 CFS AT 23:30 ON May. 19, 2007 GH 2.71 FT. SHIFT 0 FT.
MAX GH: 2.71 FT. AT 23:30 ON May. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09046000 BOREAS PASS DITCH AT BOREAS PASS, CO

LOCATION.--Lat 39°24'37", long 105°58'05". Diverts water from tributaries of Blue River in Colorado River basin to Tarryall Creek in sec. 26, T.7 S., R.77 W., in Platte River basin.

PERIOD OF RECORD.--Gage established in 1932, with continuous record from 1950 to present, and for some years prior to 1950.

GAGE.--Sutron Satlink 2 Data Collection Platform (DCP), Sutron Stage Discharge Recorder (SDR), and a photovoltaic battery charging system at an 18-inch Parshall Flume with a metal stilling well. The ditch goes underground after collection, and the flume and equipment are housed inside a manhole. The flume is set into the concrete pipeline, approximately 14 ft. underground. A staff gage in the flume is used as the primary reference gage. The gage and equipment are owned by the City of Englewood. The DCP and ditch gates are operated by an independent contractor under a special contract arrangement with Englewood.

REMARKS.--The primary record is hourly averages of 15-minute satellite data. A Sutron SDR is utilized for data backup. The gage was operated and satellite data were collected from June 2 to July 26, 2007. The gage was visited 12 times during the 2007 water year. The record is complete and reliable. The record is good. The gage is seasonal and runs typically from May/June to August. Record developed by Mike Wild.

RATING TABLE.--STD01HFTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

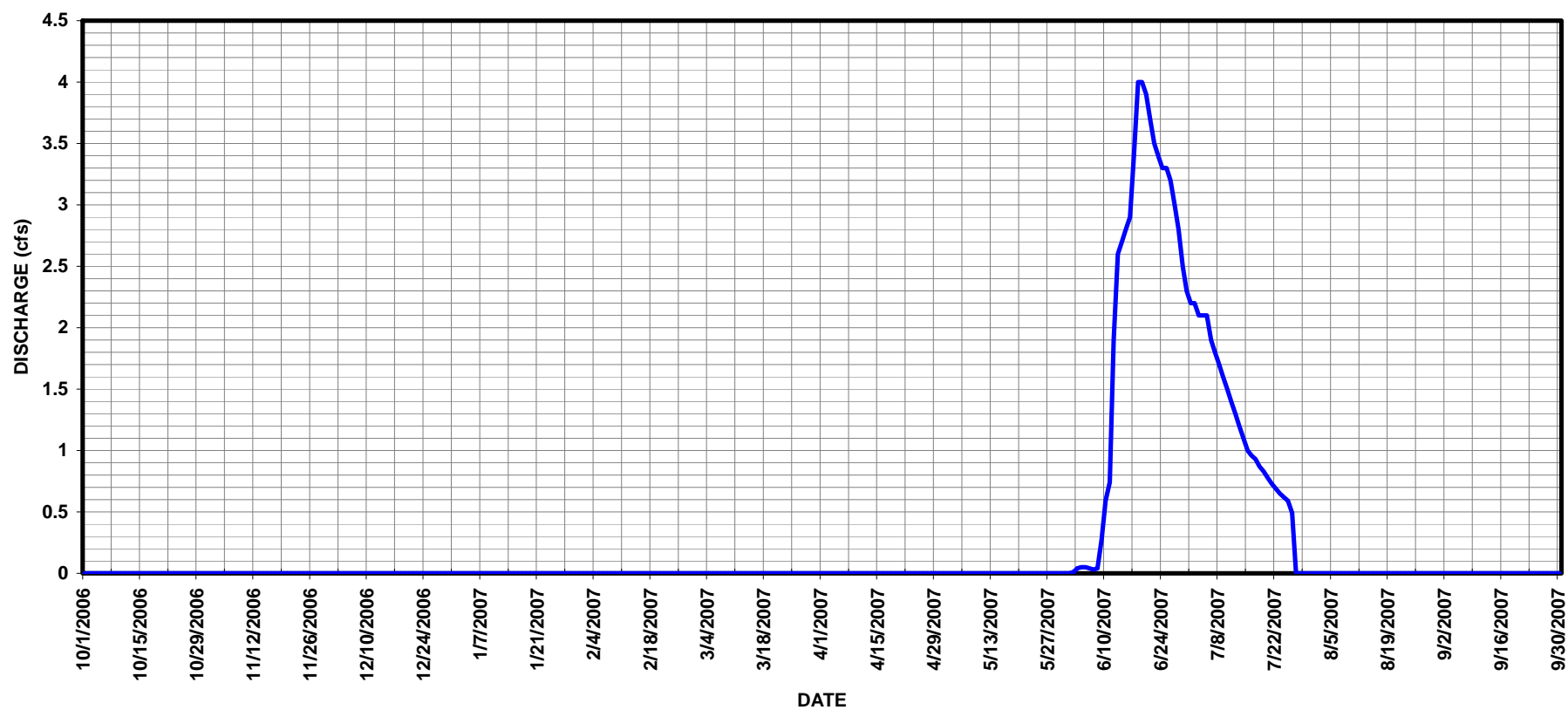
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	2.2	0	0
2	0	0	0	0	0	0	0	0	.01	2.2	0	0
3	0	0	0	0	0	0	0	0	.04	2.1	0	0
4	0	0	0	0	0	0	0	0	.05	2.1	0	0
5	0	0	0	0	0	0	0	0	.05	2.1	0	0
6	0	0	0	0	0	0	0	0	.04	1.9	0	0
7	0	0	0	0	0	0	0	0	.03	1.8	0	0
8	0	0	0	0	0	0	0	0	.04	1.7	0	0
9	0	0	0	0	0	0	0	0	.28	1.6	0	0
10	0	0	0	0	0	0	0	0	.59	1.5	0	0
11	0	0	0	0	0	0	0	0	.74	1.4	0	0
12	0	0	0	0	0	0	0	0	1.9	1.3	0	0
13	0	0	0	0	0	0	0	0	2.6	1.2	0	0
14	0	0	0	0	0	0	0	0	2.7	1.1	0	0
15	0	0	0	0	0	0	0	0	2.8	1.0	0	0
16	0	0	0	0	0	0	0	0	2.9	.96	0	0
17	0	0	0	0	0	0	0	0	3.4	.93	0	0
18	0	0	0	0	0	0	0	0	4.0	.87	0	0
19	0	0	0	0	0	0	0	0	4.0	.83	0	0
20	0	0	0	0	0	0	0	0	3.9	.78	0	0
21	0	0	0	0	0	0	0	0	3.7	.73	0	0
22	0	0	0	0	0	0	0	0	3.5	.69	0	0
23	0	0	0	0	0	0	0	0	3.4	.65	0	0
24	0	0	0	0	0	0	0	0	3.3	.62	0	0
25	0	0	0	0	0	0	0	0	3.3	.59	0	0
26	0	0	0	0	0	0	0	0	3.2	.49	0	0
27	0	0	0	0	0	0	0	0	3.0	0	0	0
28	0	0	0	0	0	0	0	0	2.8	0	0	0
29	0	0	0	0	---	0	0	0	2.5	0	0	0
30	0	0	0	0	---	0	0	0	2.3	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	61.07	33.34	0	0
MEAN	0	0	0	0	0	0	0	0	2.04	1.08	0	0
AC-FT	0	0	0	0	0	0	0	0	121	66	0	0
MAX	0	0	0	0	0	0	0	0	4.0	2.2	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	93.69	MEAN	.26	MAX	3.1	MIN	0	AC-FT	186
WTR YR	2007	TOTAL	94.41	MEAN	.26	MAX	4	MIN	0	AC-FT	187

MAX DISCH: 4.5 CFS AT 09:00 ON Jun. 18, 2007 GH 0.87 FT. SHIFT -0.04 FT.
MAX GH: 0.87 FT. AT 09:00 ON Jun. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09046000 BOREAS PASS DITCH AT BOREAS PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

LOCATION.--Lat 39°27'50", long 105°41'01"; Harold D. Roberts tunnel diverts water from Dillon Reservoir in Blue River basin, to North Fork South Platte River (tributary to South Platte River) in SW¼SW¼ sec. 4, T. 7 S., R. 74 W., in Platte River basin.

PERIOD OF RECORD.--1963 to present.

GAGE.--A Stevens 2A-35 graphic stage recorder, shaft encoder and high data rate Sutron 8210 DCP with digital shaft encoder in a concrete shelter and well at a 20-ft. Parshall Flume. Primary reference gage is an electric tape gage. Station is owned and maintained by the Denver Water Dept., who also generate power from the tunnel flow.

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart backup. It is complete and reliable. The recording equipment functions well and is considered reliable during cold weather due to a heat lamp installed within the shelter and well. During zero-flow periods, there is a residual gage height due to standing water in the well & flume. (The inlet is slightly above the floor of the flume, and dead moss traps patches of water in the flume.) The level seems to vary from .05 ft to 0.15 ft. Denver Water Board Department records were used to verify periods of zero flow. The record is rated as good. Station maintained and record developed by Mike Wild.

RATING TABLE.--STD20FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

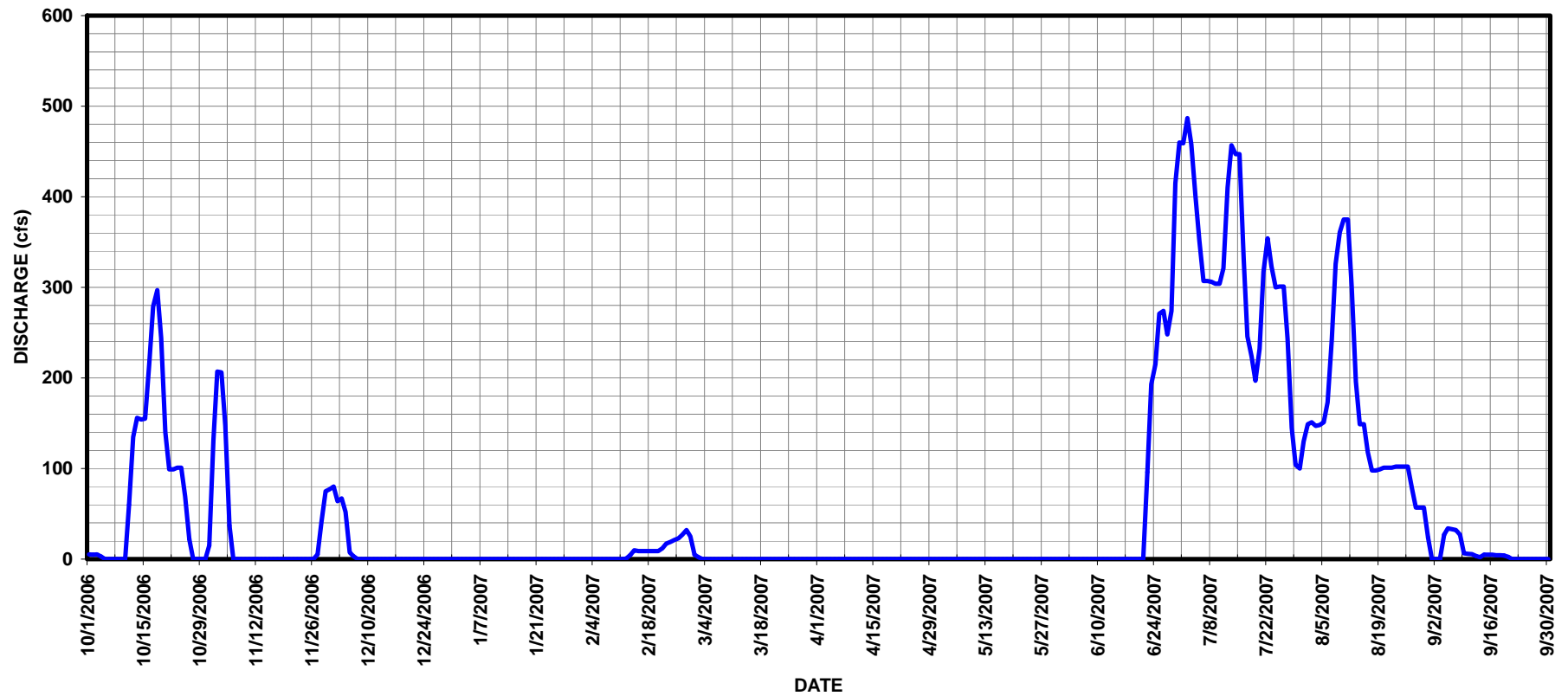
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	131	80	0	0	4.9	0	0	0	459	149	0
2	4.8	207	64	0	0	2.0	0	0	0	487	151	0
3	5.3	206	67	0	0	0	0	0	0	458	147	0
4	2.8	147	52	0	0	0	0	0	0	401	148	27
5	0	37	7.4	0	0	0	0	0	0	352	151	34
6	0	0	3.1	0	0	0	0	0	0	307	173	33
7	0	0	0	0	0	0	0	0	0	307	242	32
8	0	0	0	0	0	0	0	0	0	306	326	27
9	0	0	0	0	0	0	0	0	0	304	361	6.3
10	0	0	0	0	0	0	0	0	0	304	375	5.8
11	60	0	0	0	0	0	0	0	0	321	375	5.6
12	135	0	0	0	.62	0	0	0	0	410	300	3.5
13	156	0	0	0	4.6	0	0	0	0	457	196	2.1
14	154	0	0	0	9.7	0	0	0	0	447	149	5.0
15	155	0	0	0	9.0	0	0	0	0	447	149	4.9
16	216	0	0	0	8.8	0	0	0	0	332	118	4.9
17	279	0	0	0	8.8	0	0	0	0	246	98	4.4
18	297	0	0	0	8.8	0	0	0	0	224	98	4.2
19	244	0	0	0	8.8	0	0	0	0	197	99	4.1
20	140	0	0	0	8.8	0	0	0	0	232	101	2.5
21	99	0	0	0	12	0	0	0	0	317	101	0
22	99	0	0	0	17	0	0	0	96	354	101	0
23	101	0	0	0	19	0	0	0	193	323	102	0
24	101	0	0	0	21	0	0	0	215	300	102	0
25	69	0	0	0	23	0	0	0	271	301	102	0
26	22	0	0	0	27	0	0	0	274	301	102	0
27	0	5.3	0	0	32	0	0	0	248	243	78	0
28	0	41	0	0	25	0	0	0	274	145	57	0
29	0	75	0	0	---	0	0	0	415	104	57	0
30	0	77	0	0	---	0	0	0	460	100	57	0
31	15	---	0	0	---	0	---	0	---	130	24	---
TOTAL	2360.2	926.3	273.5	0	243.92	6.9	0	0	2446	9616	4789	206.3
MEAN	76.1	30.9	8.82	0	8.71	.22	0	0	81.5	310	154	6.88
AC-FT	4680	1840	542	0	484	14	0	0	4850	19070	9500	409
MAX	297	207	80	0	32	4.9	0	0	460	487	375	34
MIN	0	0	0	0	0	0	0	0	0	100	24	0

CAL YR	2006	TOTAL	54270.9	MEAN	149	MAX	593	MIN	0	AC-FT	107600
WTR YR	2007	TOTAL	20868.12	MEAN	57.2	MAX	487	MIN	0	AC-FT	41390

MAX DISCH: 505 CFS AT 10:00 ON Jul. 2, 2007 GH 3.2 FT. SHIFT 0.06 FT.
MAX GH: 3.2 FT. AT 10:00 ON Jul. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL

LOCATION.--Lat 39°40'45", long 105°54'10", NE1/4, sec. 28, T1S, R71W. Manhole is located in the East Portal CDOT parking lot between the East and West bound traffic lanes of Interstate 70.

DRAINAGE AREA.--Eisenhower Tunnel seepage with effluent from sewage treatment facility.

GAGE.--A 12-inch Parshall Flume located in a manhole-vault in the CDOT parking lot between eastbound and westbound lanes of I-70. The tunnel pipeline is approximately 12 ft. underground. There is a condensing environment in the tunnel; the moisture has destroyed electronic and electrical equipment placed there previously. Most metal objects are corroded. The air is of poor quality within the tunnel. A Sutron stage discharge recorder (SDR) was installed on Aug 1, 2007 to better monitor flow conditions in the tunnel. The SDR was placed in a NEMA enclosure and mounted on the REW of the flume.

REMARKS.--SDR record (5 minute data) exists from August 1 to the end of the water year. For October-July, GH's were estimated from visits made by Employees of Coors. Gage height readings were made on the following days: September 30, 2006; November 1, 2006; May 6, 26, June 9, and July 21, 2007. The parking lot is covered with ice in the winter and such readings are not made. For October through July, the record is estimated and poor. For August and September, the record is fair due to the accuracy of measurement for shallow depths. This record is requested by DWR Division 5 and the Upper Colorado River Commission to complete their accounting of transmountain diversions. Record developed by Steve Barrett.

RATING TABLE.--STD01FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

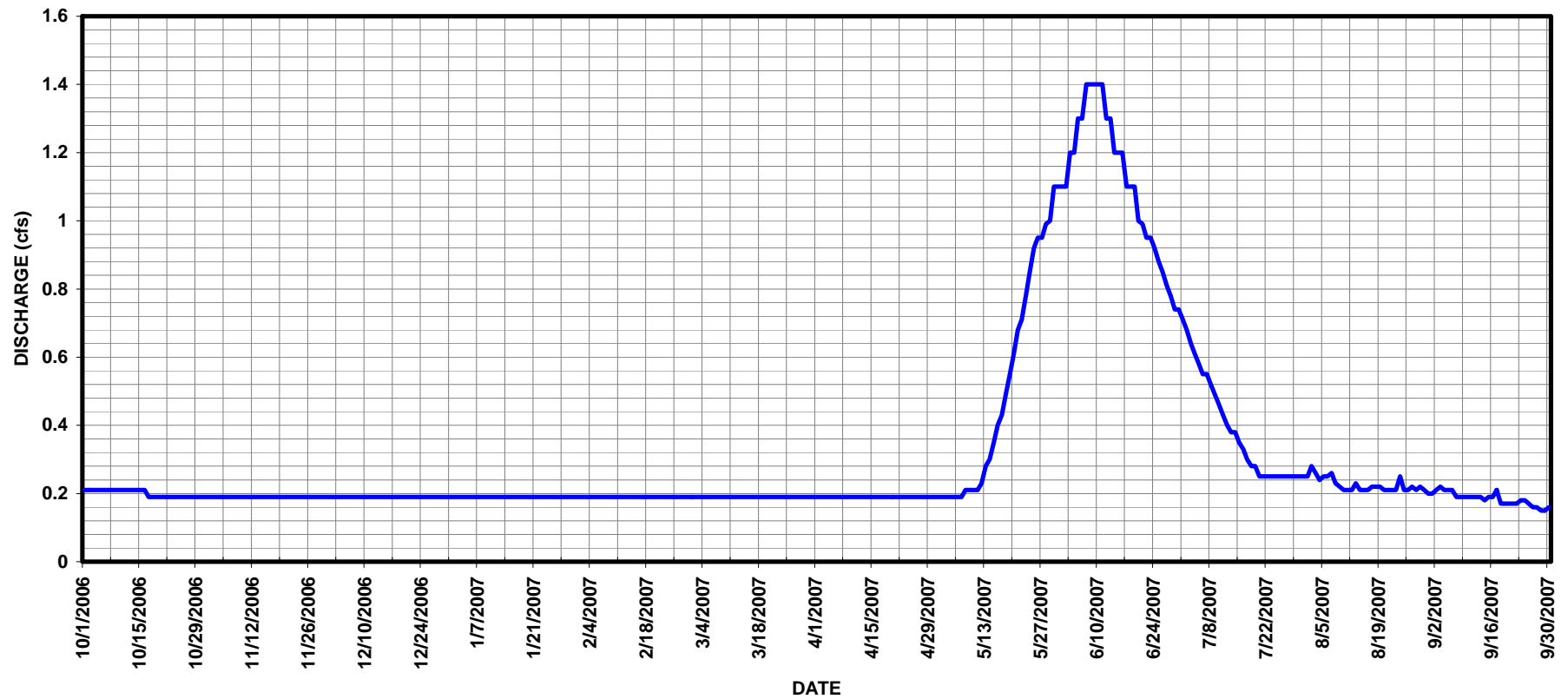
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.21	.19	.19	.19	.19	.19	.19	.19	1.1	.71	.25	.20
2	.21	.19	.19	.19	.19	.19	.19	.19	1.1	.68	.28	.21
3	.21	.19	.19	.19	.19	.19	.19	.19	1.2	.64	.26	.22
4	.21	.19	.19	.19	.19	.19	.19	.19	1.2	.61	.24	.21
5	.21	.19	.19	.19	.19	.19	.19	.19	1.3	.58	.25	.21
6	.21	.19	.19	.19	.19	.19	.19	.19	1.3	.55	.25	.21
7	.21	.19	.19	.19	.19	.19	.19	.19	1.4	.55	.26	.19
8	.21	.19	.19	.19	.19	.19	.19	.21	1.4	.52	.23	.19
9	.21	.19	.19	.19	.19	.19	.19	.21	1.4	.49	.22	.19
10	.21	.19	.19	.19	.19	.19	.19	.21	1.4	.46	.21	.19
11	.21	.19	.19	.19	.19	.19	.19	.21	1.4	.43	.21	.19
12	.21	.19	.19	.19	.19	.19	.19	.23	1.3	.40	.21	.19
13	.21	.19	.19	.19	.19	.19	.19	.28	1.3	.38	.23	.19
14	.21	.19	.19	.19	.19	.19	.19	.30	1.2	.38	.21	.18
15	.21	.19	.19	.19	.19	.19	.19	.35	1.2	.35	.21	.19
16	.21	.19	.19	.19	.19	.19	.19	.40	1.2	.33	.21	.19
17	.19	.19	.19	.19	.19	.19	.19	.43	1.1	.30	.22	.21
18	.19	.19	.19	.19	.19	.19	.19	.49	1.1	.28	.22	.17
19	.19	.19	.19	.19	.19	.19	.19	.55	1.1	.28	.22	.17
20	.19	.19	.19	.19	.19	.19	.19	.61	1.0	.25	.21	.17
21	.19	.19	.19	.19	.19	.19	.19	.68	.99	.25	.21	.17
22	.19	.19	.19	.19	.19	.19	.19	.71	.95	.25	.21	.17
23	.19	.19	.19	.19	.19	.19	.19	.78	.95	.25	.21	.18
24	.19	.19	.19	.19	.19	.19	.19	.85	.92	.25	.25	.18
25	.19	.19	.19	.19	.19	.19	.19	.92	.88	.25	.21	.17
26	.19	.19	.19	.19	.19	.19	.19	.95	.85	.25	.21	.16
27	.19	.19	.19	.19	.19	.19	.19	.95	.81	.25	.22	.16
28	.19	.19	.19	.19	.19	.19	.19	.99	.78	.25	.21	.15
29	.19	.19	.19	.19	---	.19	.19	1.0	.74	.25	.22	.15
30	.19	.19	.19	.19	---	.19	.19	1.1	.74	.25	.21	.16
31	.19	---	.19	.19	---	.19	---	1.1	---	.25	.20	---
TOTAL	6.21	5.70	5.89	5.89	5.32	5.89	5.70	15.84	33.31	11.92	6.96	5.52
MEAN	.20	.19	.19	.19	.19	.19	.19	.51	1.11	.38	.22	.18
AC-FT	12	11	12	12	11	12	11	31	66	24	14	11
MAX	.21	.19	.19	.19	.19	.19	.19	1.1	1.4	.71	.28	.22
MIN	.19	.19	.19	.19	.19	.19	.19	.19	.74	.25	.20	.15
CAL YR 2006	TOTAL	171.49	MEAN	.47	MAX	2.1	MIN	.29	AC-FT	340		
WTR YR 2007	TOTAL	114.15	MEAN	.31	MAX	1.4	MIN	.15	AC-FT	226		

MAX DISCH: 1.39 CFS AT 12:00 ON Jun. 9, 2007 GH 0.57 FT. SHIFT -0.06 FT.
MAX GH: 0.57 FT. AT 12:00 ON Jun. 9, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

A.P. GUMGLICK TUNNEL (aka JONES PASS TUNNEL) RELEASE TO CLEAR CREEK NEAR JONES PASS, CO

LOCATION.--Lat. 39°46'13", Long. 105°51'03"; in SW1/4, Sec. 24, T3S, R76W. Two miles east of Jones Pass at Henderson Mine, 11 miles west of Empire, Colorado. Diversion is from tributaries of the Williams Fork River in the Colorado River Basin. Since July, 1959, Gumlick water has been reddiverted into Vasquez Tunnel to Vasquez Creek in the Frazier River and Colorado River basins. Gumlick Tunnel flows may be released into Clear Creek and must be accounted for as a separate trans-mountain diversion from the Colorado River Basin to the South Platte Basin.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; WY2006 is first year of published record.

GAGE.--Gumlick Tunnel water emerges on the East Slope into a covered canal. A radial gate allows flow from an 8X8 ft. opening in the canal side into the West Fork of Clear Creek drainage. Stevens Type F graphic water stage recorder at 10 Ft. Parshall Flume with 5 ft. walls, in a square concrete shelter with a 12" stilling well. The gage is set to an outside staff gage on the flume. Datum of gage is 10,312.5 ft.

REMARKS.--The record is chart based. The charts are maintained by Denver Water personnel. No water was run, so no charts were sent by Denver. No flow for WY2007. This gage is an infrequently used transmountain diversion owned by the City of Denver and used to deliver water to Clear Creek in Division One. Water was run last year so totals for the 2006 Calendar year were entered on the yearly summary sheet. Record developed by Bob Cooper.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

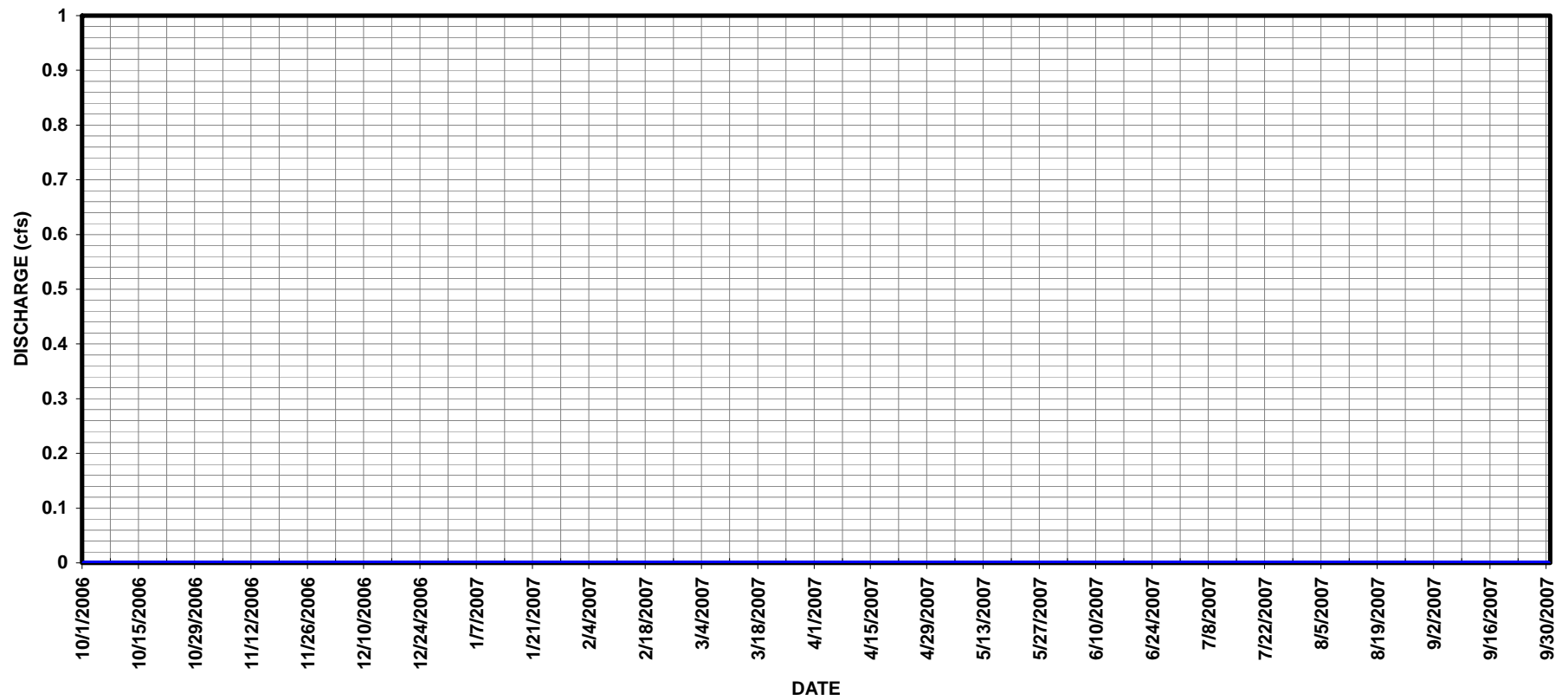
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	1277	MEAN	3.5	MAX	140	MIN	0	AC-FT	2530
WTR YR	2007	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0

MAX DISCH: 0 CFS AT 00:00 ON N/A GH N/A FT. SHIFT 0 FT.
MAX GH: 0 FT. AT 00:00 ON N/A

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**A.P. GUMBLICK TUNNEL (aka JONES PASS TUNNEL) RELEASE TO CLEAR CREEK NEAR JONES PASS CO
WY2007 HYDROGRAPH**



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS, CO

LOCATION.--Lat 39°37'28", long 105°47'28", sec.6, T.5 S., R.75 W., Summit County, at Argentine Pass above Keystone Ski Area.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; 1971 to present.

GAGE.--Stevens F-type recorder and digital shaft encoder mounted on a prefabricated steel three-foot Parshall Flume. The flume is inside the tunnel, approximately 320 feet from the DCP. The primary reference is the flume staff. Data are logged and transmitted by a Satlink 2 high data rate data collection platform connected to a high-resolution shaft encoder.

REMARKS.--The primary record is hourly averages of 15-minute satellite data or DCP log data with chart backup. The record is complete and reliable. Chart data were used to fill in missing DCP data on several dates without loss of accuracy. During the period: July 19-24, 2007, a gage height correction was applied to compensate for the shaft encoder being reset to zero by an electric surge most likely caused by lightning with no loss of accuracy. The record is considered good. Station maintained and record developed by Mike Wild.

RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

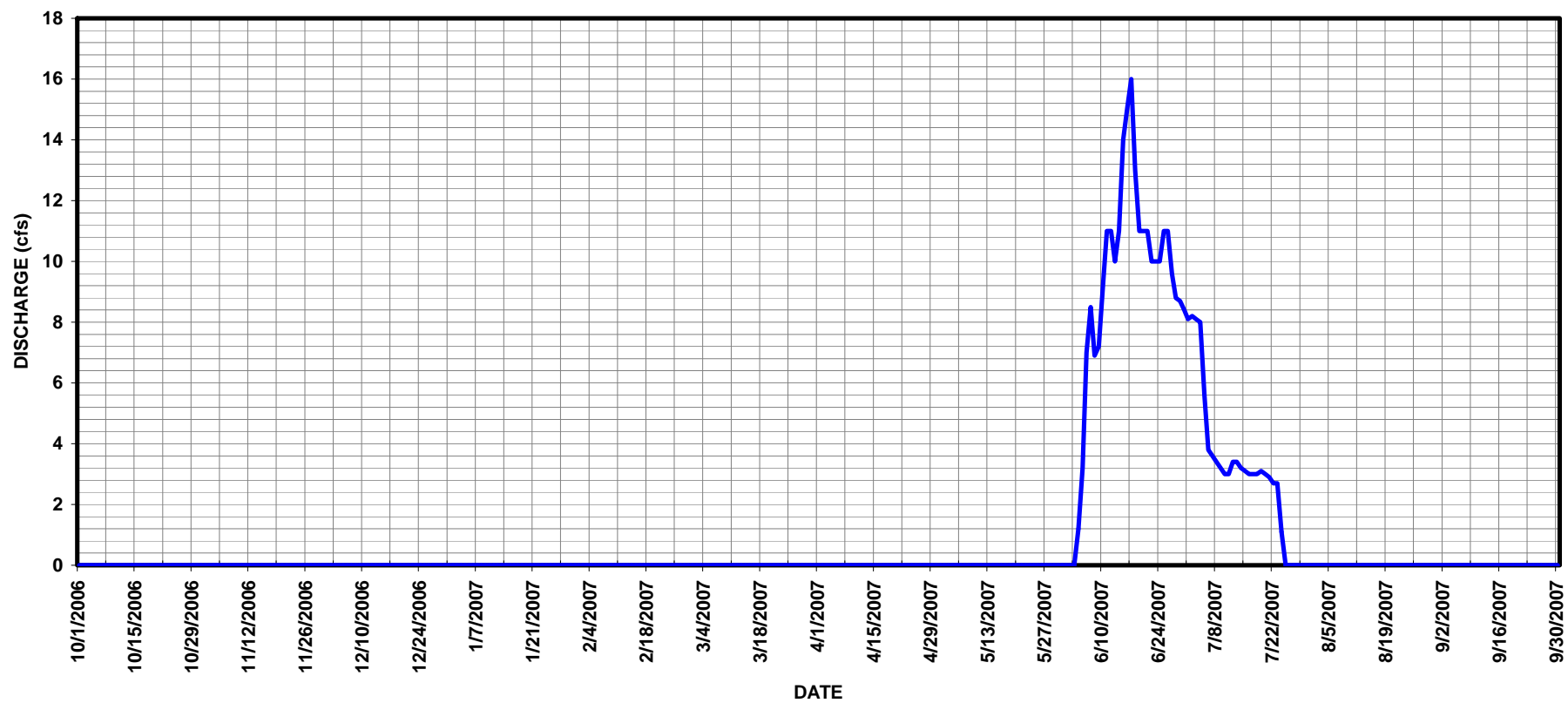
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	8.1	0	0
2	0	0	0	0	0	0	0	0	0	8.2	0	0
3	0	0	0	0	0	0	0	0	0	8.1	0	0
4	0	0	0	0	0	0	0	0	1.2	8.0	0	0
5	0	0	0	0	0	0	0	0	3.2	5.6	0	0
6	0	0	0	0	0	0	0	0	7.0	3.8	0	0
7	0	0	0	0	0	0	0	0	8.5	3.6	0	0
8	0	0	0	0	0	0	0	0	6.9	3.4	0	0
9	0	0	0	0	0	0	0	0	7.2	3.2	0	0
10	0	0	0	0	0	0	0	0	9.2	3.0	0	0
11	0	0	0	0	0	0	0	0	11	3.0	0	0
12	0	0	0	0	0	0	0	0	11	3.4	0	0
13	0	0	0	0	0	0	0	0	10	3.4	0	0
14	0	0	0	0	0	0	0	0	11	3.2	0	0
15	0	0	0	0	0	0	0	0	14	3.1	0	0
16	0	0	0	0	0	0	0	0	15	3.0	0	0
17	0	0	0	0	0	0	0	0	16	3.0	0	0
18	0	0	0	0	0	0	0	0	13	3.0	0	0
19	0	0	0	0	0	0	0	0	11	3.1	0	0
20	0	0	0	0	0	0	0	0	11	3.0	0	0
21	0	0	0	0	0	0	0	0	11	2.9	0	0
22	0	0	0	0	0	0	0	0	10	2.7	0	0
23	0	0	0	0	0	0	0	0	10	2.7	0	0
24	0	0	0	0	0	0	0	0	10	1.1	0	0
25	0	0	0	0	0	0	0	0	11	0	0	0
26	0	0	0	0	0	0	0	0	11	0	0	0
27	0	0	0	0	0	0	0	0	9.6	0	0	0
28	0	0	0	0	0	0	0	0	8.8	0	0	0
29	0	0	0	0	---	0	0	0	8.7	0	0	0
30	0	0	0	0	---	0	0	0	8.4	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	264.7	95.6	0	0
MEAN	0	0	0	0	0	0	0	0	8.82	3.08	0	0
AC-FT	0	0	0	0	0	0	0	0	525	190	0	0
MAX	0	0	0	0	0	0	0	0	16	8.2	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	316.3	MEAN	.87	MAX	16	MIN	0	AC-FT	627
WTR YR	2007	TOTAL	360.3	MEAN	.99	MAX	16	MIN	0	AC-FT	715

MAX DISCH: 19.6 CFS AT 18:00 ON Jun. 17, 2007 GH 1.42 FT. SHIFT -0.05 FT.
MAX GH: 1.42 FT. AT 18:00 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS, CO

LOCATION.--Lat 39°47'56", long 105°46'36" in SW1/4, sec. 10, T3S, R75W. Berthoud Pass Ditch diverts water from tributaries of Fraser River between headgate in sec. 33, T. 2 S., R. 75 W., Grand County, and Berthoud Pass, in Colorado River basin, to Hoop Creek, tributary to west fork Clear Creek in sec. 10, T3S, R75W, in Platte River Basin.

PERIOD OF RECORD.--July 1932 to present.

GAGE.--A high data rate Satlink II data collection platform (DCP) and shaft encoder inside a 42-inch metal shelter and well at a 30 inch by 9 ft. cutthroat flume. The stilling well has been divided to accommodate two recorders, one for Ha and one for Hb. Primary reference gage is drop tape. Staff. There is a staff gage in the flume at the Ha position, but no reference for Hb. The gage is owned and operated by the city of Northglenn. A new tape was made for the gage in June 2007.

REMARKS.-- The primary record is hourly DCP data with no chart back-up. The record is complete and reliable with no missing data, except June 5, 2007 is a partial record day as the gage height record is unknown before the DCP was turned on at 9:15. The record is considered good, except June 5, 2007, which is estimated and poor. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BERDITCO01 USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

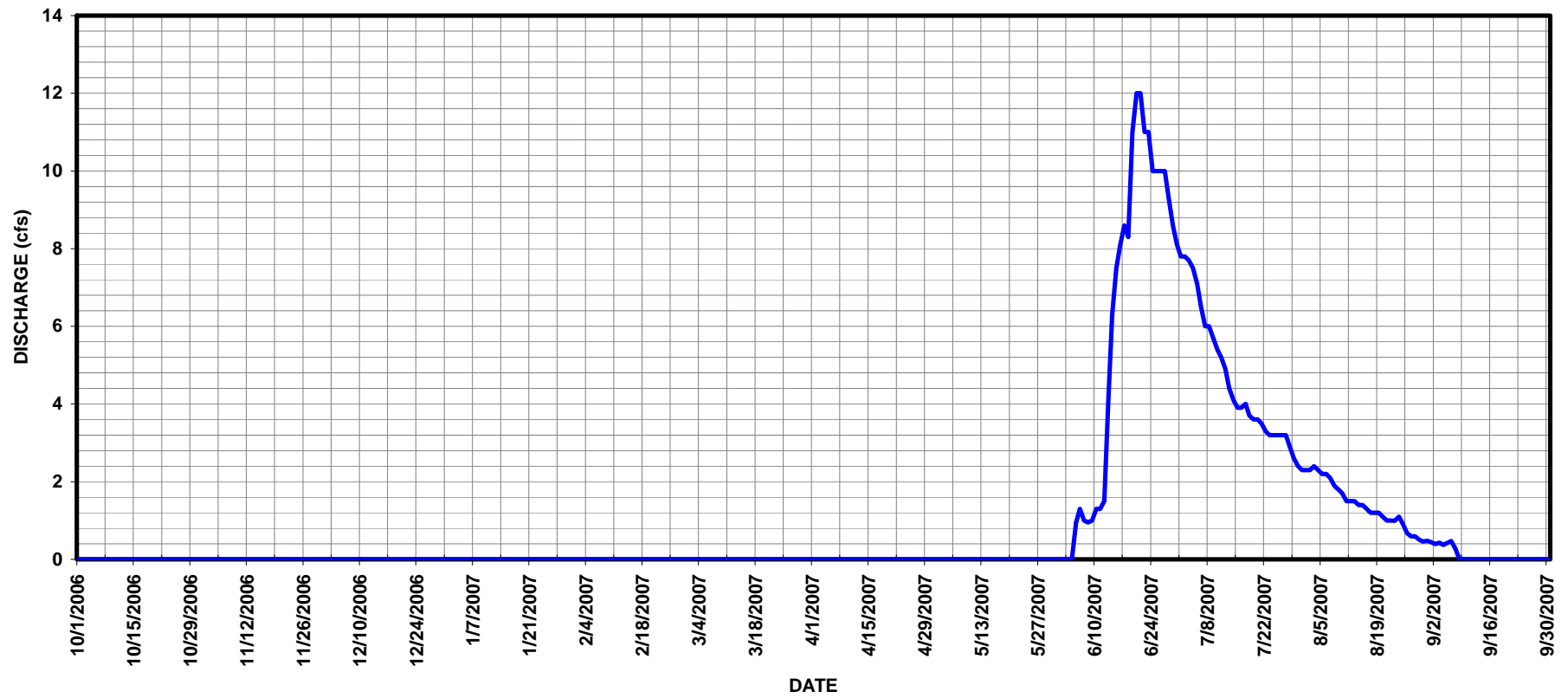
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	7.8	2.3	.44
2	0	0	0	0	0	0	0	0	0	7.8	2.3	.39
3	0	0	0	0	0	0	0	0	0	7.7	2.4	.43
4	0	0	0	0	0	0	0	0	0	7.5	2.3	.37
5	0	0	0	0	0	0	0	0	.94	7.1	2.2	.42
6	0	0	0	0	0	0	0	0	1.3	6.5	2.2	.47
7	0	0	0	0	0	0	0	0	1.0	6.0	2.1	.28
8	0	0	0	0	0	0	0	0	.95	6.0	1.9	0
9	0	0	0	0	0	0	0	0	1.0	5.7	1.8	0
10	0	0	0	0	0	0	0	0	1.3	5.4	1.7	0
11	0	0	0	0	0	0	0	0	1.3	5.2	1.5	0
12	0	0	0	0	0	0	0	0	1.5	4.9	1.5	0
13	0	0	0	0	0	0	0	0	4.0	4.4	1.5	0
14	0	0	0	0	0	0	0	0	6.3	4.1	1.4	0
15	0	0	0	0	0	0	0	0	7.5	3.9	1.4	0
16	0	0	0	0	0	0	0	0	8.1	3.9	1.3	0
17	0	0	0	0	0	0	0	0	8.6	4.0	1.2	0
18	0	0	0	0	0	0	0	0	8.3	3.7	1.2	0
19	0	0	0	0	0	0	0	0	11	3.6	1.2	0
20	0	0	0	0	0	0	0	0	12	3.6	1.1	0
21	0	0	0	0	0	0	0	0	12	3.5	1.0	0
22	0	0	0	0	0	0	0	0	11	3.3	1.0	0
23	0	0	0	0	0	0	0	0	11	3.2	.99	0
24	0	0	0	0	0	0	0	0	10	3.2	1.1	0
25	0	0	0	0	0	0	0	0	10	3.2	.91	0
26	0	0	0	0	0	0	0	0	10	3.2	.68	0
27	0	0	0	0	0	0	0	0	10	3.2	.59	0
28	0	0	0	0	0	0	0	0	9.3	2.9	.59	0
29	0	0	0	0	---	0	0	0	8.6	2.6	.51	0
30	0	0	0	0	---	0	0	0	8.1	2.4	.46	0
31	0	---	0	0	---	0	---	0	---	2.3	.48	---
TOTAL	0	0	0	0	0	0	0	0	175.09	141.8	42.81	2.80
MEAN	0	0	0	0	0	0	0	0	5.84	4.57	1.38	.093
AC-FT	0	0	0	0	0	0	0	0	347	281	85	5.6
MAX	0	0	0	0	0	0	0	0	12	7.8	2.4	.47
MIN	0	0	0	0	0	0	0	0	0	2.3	.46	0

CAL YR	2006	TOTAL	422.9	MEAN	1.16	MAX	9.2	MIN	0	AC-FT	839
WTR YR	2007	TOTAL	362.5	MEAN	0.99	MAX	12	MIN	0	AC-FT	719

MAX DISCH: 13.9 CFS AT 15:00 ON Jun. 19, 2007 GH 1.35 FT. SHIFT -0.03 FT.
MAX GH: 1.35 FT. AT 15:00 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

LOCATION.--Lat 39°54'07", long 105°38'44"; in SW1/4, sec. 2, T2S, R74W. Diverts water from tributaries of William's Fork River and main stem and tributaries of Fraser River in Colorado River basin, to South Boulder Creek, in sec. 2, T2S, R74W, in Platte River basin, Gilpin County.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; June 1936 to present.

GAGE.--Graphic water-stage recorder and satellite telemetry in a timber shelter at a concrete stilling well and 15-foot Parshall Flume. A High Data Rate Sutron 8210 having logging capability as well as telephone line access. Electric tape gage is the primary reference gage.

REMARKS.--Primary record is hourly averages of 15-minute satellite data with chart backup. The record is complete and reliable, except for Nov 30 - Dec 1, 2006, due to ice in the well. Mean daily gage heights were taken from the charts on days where satellite data was missing and the range in stage was negligible. The flume is generally not subject to ice as the water was still warm from the tunnel. The graphic chart is changed weekly by Denver Water Department. Record is good, with exception of Nov 30 - Dec 1, 2006, which have been estimated and are considered poor. Station maintained and record developed by Steve Barrett.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2006 TO 30-SEPT-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	19	23	15	7.7	7.6	13	106	273	173	82	44
2	67	18	19	14	8.5	8.7	13	152	313	182	81	41
3	66	20	19	14	8.8	9.1	14	196	303	166	84	46
4	69	20	19	14	9.1	8.8	15	182	270	95	80	56
5	66	20	19	14	9.0	8.4	15	149	199	67	81	70
6	71	20	20	13	7.2	8.1	15	119	138	61	95	85
7	69	21	20	14	8.9	8.9	17	103	64	54	92	71
8	68	23	20	14	9.1	9.1	15	92	81	53	86	67
9	55	26	20	14	9.1	8.7	15	91	100	46	74	65
10	33	21	19	14	9.3	8.9	14	109	98	42	69	65
11	17	20	19	13	9.3	8.9	13	158	141	77	64	63
12	21	24	19	13	9.3	9.2	13	251	217	160	64	62
13	23	20	20	13	9.3	10	14	316	197	179	63	60
14	23	26	20	13	9.3	11	13	333	165	169	61	59
15	26	21	18	12	8.9	11	14	346	111	159	55	62
16	25	24	16	12	8.9	10	17	380	69	144	59	66
17	23	28	16	11	9.0	11	17	235	75	148	55	97
18	21	27	15	12	8.8	12	17	129	74	150	54	65
19	21	25	16	11	9.3	13	18	84	74	132	54	43
20	24	25	15	12	8.8	13	19	64	110	137	48	44
21	23	25	16	12	8.9	15	23	116	207	142	45	56
22	22	24	17	11	9.2	13	21	156	221	131	44	68
23	21	26	16	11	9.2	14	22	144	233	109	42	67
24	23	24	16	11	8.7	14	22	145	239	114	56	61
25	23	25	15	11	8.5	14	21	160	204	110	43	43
26	20	23	15	11	9.0	14	20	199	172	108	40	37
27	24	23	15	10	9.0	15	22	210	167	117	41	37
28	21	24	15	9.7	8.7	16	33	209	177	125	56	36
29	21	21	15	9.6	---	14	57	227	169	108	47	36
30	22	18	15	9.8	---	13	82	252	169	87	44	40
31	22	---	14	9.9	---	13	---	246	---	87	43	---
TOTAL	1103	681	541	378.0	248.8	350.4	624	5659	5030	3632	1902	1712
MEAN	35.6	22.7	17.5	12.2	8.89	11.3	20.8	183	168	117	61.4	57.1
AC-FT	2190	1350	1070	750	493	695	1240	11220	9980	7200	3770	3400
MAX	73	28	23	15	9.3	16	82	380	313	182	95	97
MIN	17	18	14	9.6	7.2	7.6	13	64	64	42	40	36

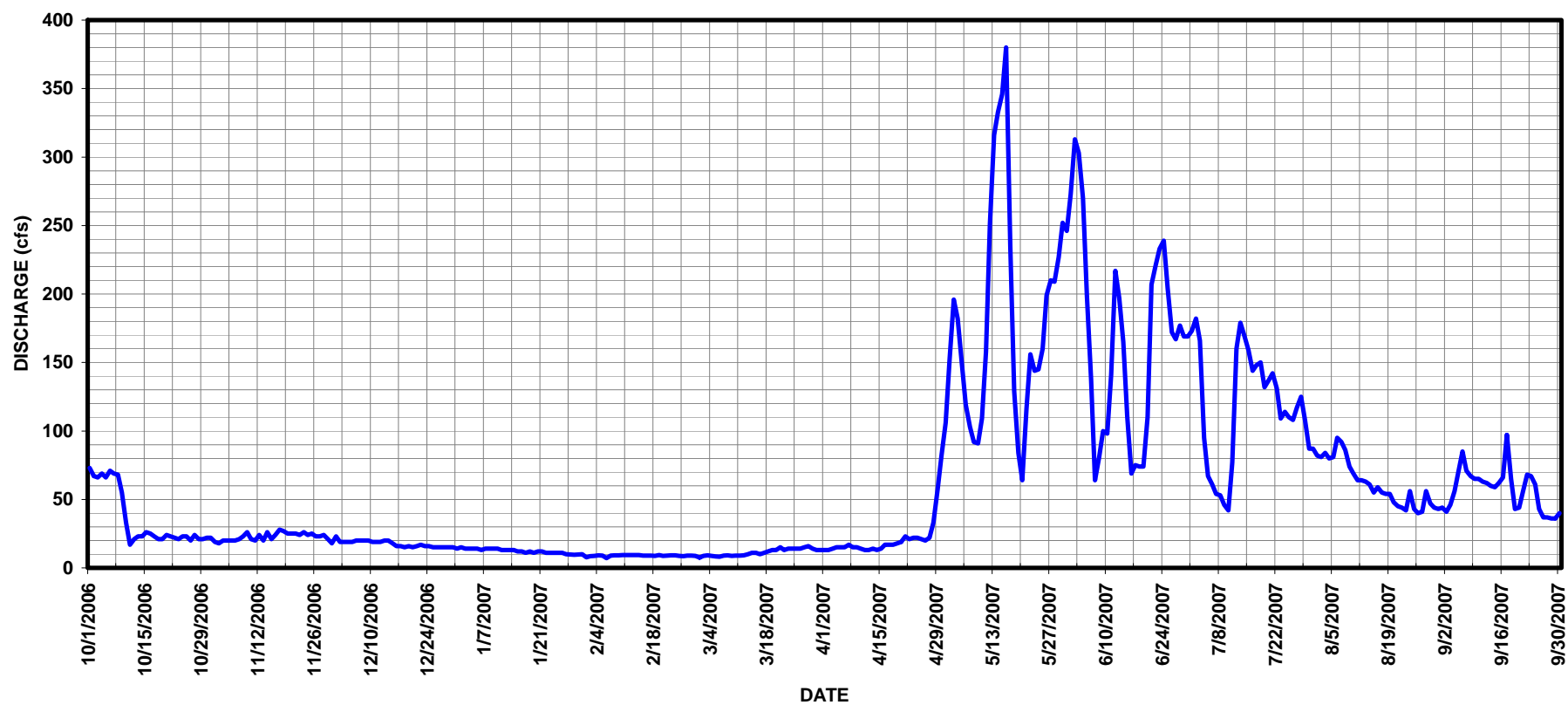
CAL YR	2006	TOTAL	41417.7	MEAN	113	MAX	870	MIN	9.6	AC-FT	82150
WTR YR	2007	TOTAL	21861.2	MEAN	59.9	MAX	380	MIN	7.2	AC-FT	43360

MAX DISCH: 483 CFS AT 21:25 ON May. 15, 2007 GH 3.73 FT. SHIFT 0.04 FT.

MAX GH: 3.73 FT. AT 21:25 ON May. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09013000 ALVA B. ADAMS TUNNEL (NET) AT EAST PORTAL NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'40", long 105°34'39", in NW¼ sec. 9, T.3 N., R.75 W.

GAGE.--Alva B. Adam's Tunnel (Net) (ADANETCO) is a computed record. This record is comprised of data obtained from Alva B. Adam's Tunnel Near Estes Park, CO (ADATUNCO), Wind River Near Estes Park, CO (WINDESCO) and Wind River Bypass Below Adam's Tunnel Near Estes Park, CO (WINBYPCO). See individual records for WINDESCO and WINBYPCO for station equipment. ADATUNCO equipment includes graphic water-stage recorder and Satellite Monitoring Data Collection Platform (DCP) in a rectangular concrete shelter and concrete H_a / H_b wells at a 15-foot Parshall Flume. Gage is equipped with electric tape gages on both wells. A supplementary staff gage is located on the left wing wall of the flume. The Stevens A-35 was removed and replaced by a Sutron Stage Discharge Recorder (SDR) on April 2, 2007. The gage is operated in cooperation with the United States Bureau of Reclamation (USBR) and the Colorado Division of Water Resources (DWR).

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart and SDR as backup. The record is complete and reliable. In the winter months heat lamps and heaters are used to keep the well from freezing. Zero flow is determined operationally. Small residual flows draining through the flume after the tunnel is turned off were considered to be zero. Zero flow occurred on part of the day or all day on the following days: October 17-29; October 31-December 9, 2006. Zero flow was observed on October 24, November 2, November 27 and December 4, 2006. Record is good.

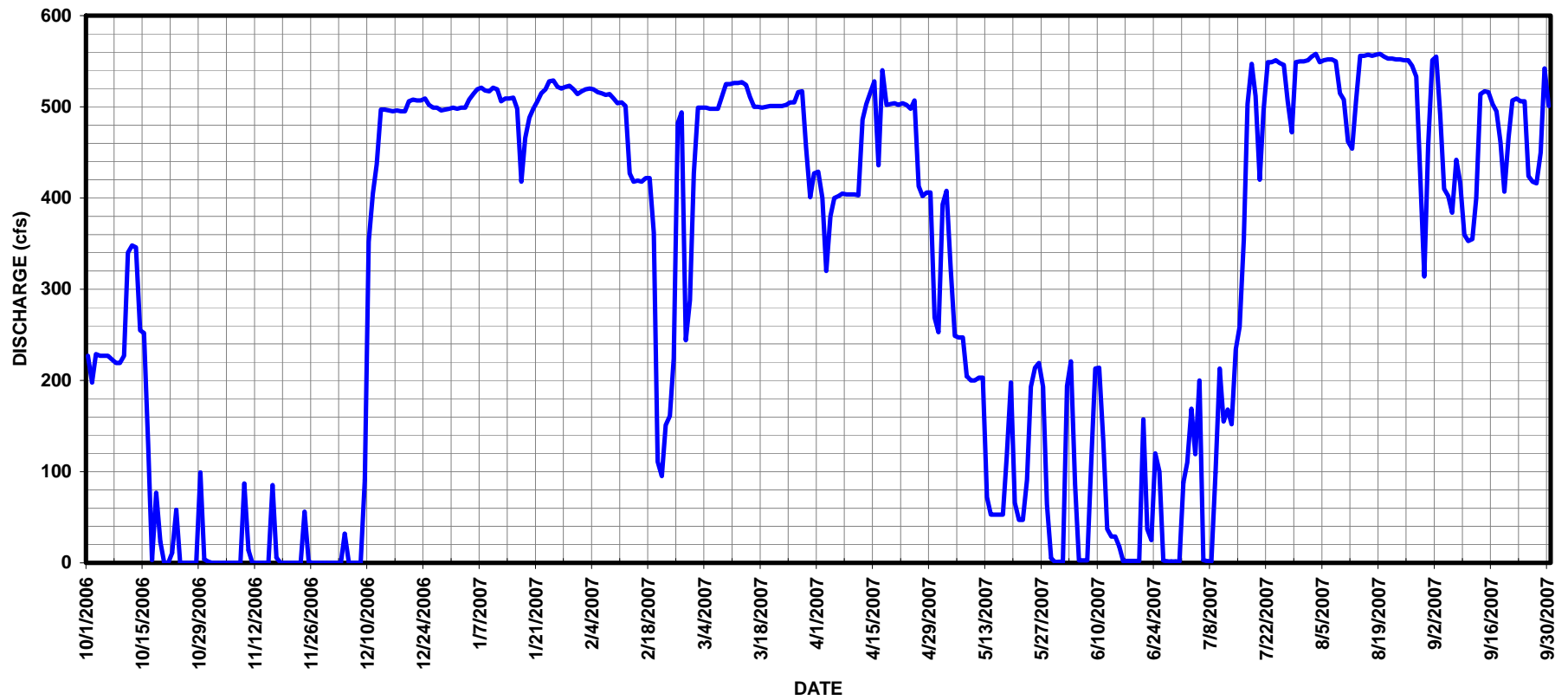
Beginning in the 2000 water year, ADANETCO (West slope delivery only) has been published to provide the west slope delivery on a daily basis. ADANETCO discharge is determined by calculating the amount of skimmed Wind River water moved through the ADATUNCO structure and subtracting that amount from the ADATUNCO record on days when skimming occurred. Thus ADANETCO = ADATUNCO - (WINDESCO - WINBYPCO). Skimming operations occurred between May 3, 2007 and July 17, 2007. The ADATUNCO, WINDESCO, and WINBYPCO records are considered good during this period. For non-skim periods, ADANETCO = ADATUNCO and is rated good. Station maintained by USBR personnel and record developed by Russell Stroud.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	0	0	498	517	427	429	253	1.1	88	551	551
2	198	0	0	499	519	499	400	393	194	110	555	555
3	229	0	0	499	520	499	320	408	221	169	558	491
4	227	0	32	508	519	499	380	323	86	119	549	410
5	227	0	.09	514	516	498	400	249	2.6	200	551	402
6	227	0	0	519	515	498	402	247	2.7	3.1	552	384
7	223	0	0	521	513	498	405	247	2.7	1.9	552	442
8	219	0	0	518	514	512	404	205	108	1.7	550	417
9	219	87	91	517	509	525	404	200	213	99	515	360
10	227	14	352	521	504	525	404	200	214	213	508	353
11	340	0	405	519	505	526	403	203	133	155	462	355
12	348	0	437	506	501	526	486	203	37	168	454	400
13	346	0	497	509	427	527	503	72	29	152	506	514
14	255	0	497	509	418	524	516	53	29	234	556	517
15	252	0	496	510	419	511	528	53	18	259	556	516
16	130	85	495	498	418	500	436	53	2.1	354	557	503
17	3.0	5.9	496	418	422	500	540	53	2.1	503	556	495
18	77	0	495	466	422	499	502	117	2.1	547	557	461
19	23	0	495	488	362	500	503	198	2.0	512	558	407
20	0	0	506	498	111	501	504	66	2.0	420	555	466
21	0	0	508	506	95	501	502	47	157	497	553	507
22	11	0	507	515	151	501	504	47	37	549	553	509
23	58	0	507	519	161	501	502	91	25	549	552	506
24	0	56	509	528	224	502	498	193	120	551	552	506
25	0	1.3	502	529	482	505	507	214	100	548	551	424
26	0	0	499	522	494	505	413	219	2.8	546	551	418
27	0	0	499	520	244	516	402	193	1.4	506	545	416
28	0	0	496	522	288	517	406	64	1.6	472	533	450
29	99	0	497	523	---	456	406	5.1	1.5	549	427	542
30	4.0	0	498	519	---	401	269	1.0	1.6	550	314	501
31	1.3	---	499	514	---	427	---	1.2	---	550	458	---
TOTAL	4170.3	249.2	10815.09	15752	11290	15426	13278	4871.3	1749.3	10175.7	16347	13778
MEAN	135	8.31	349	508	403	498	443	157	58.3	328	527	459
AC-FT	8270	494	21450	31240	22390	30600	26340	9660	3470	20180	32420	27330
MAX	348	87	509	529	520	527	540	408	221	551	558	555
MIN	0	0	0	418	95	401	269	1.0	1.1	1.7	314	353
CAL YR	2006	TOTAL	136882.6	MEAN	375	MAX	572	MIN	0	AC-FT	271500	
WTR YR	2007	TOTAL	117901.89	MEAN	323	MAX	558	MIN	0	AC-FT	233900	

MAX DISCH: 558 CFS AT 12:00 ON Aug. 3, 2007 GH 558 FT. SHIFT 0 FT.
MAX GH: 558 FT. AT 12:00 ON Aug. 3, 2007

09013000 ALVA B. ADAMS TUNNEL (NET) AT EAST PORTAL NEAR ESTES PARK CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09010000 GRAND RIVER DITCH AT LA POUDRE PASS, CO

LOCATION.--Lat 40°28'22", long 105°49'17", in NW¼ sec. 21, T.6 N., R.75 W., in Platte River Basin, to La Poudre Pass Creek, tributary to Cache La Poudre River.

GAGE.--F-type water stage recorder with satellite telemetry in a wooden shelter at a 10-foot Parshall Flume. A drop tape is the primary reference gage.

REMARKS.--The primary record is hourly averages to 15-minute satellite data with chart backup. The record is complete and reliable, except for May 3-4, 2007 due to ice and snow in the channel below the flume causing the flume to run in submergence. The record is good, except for the ice affected days of May 3-4, 2007, which are estimated and poor. Station maintained and record developed by Mark Simpson.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

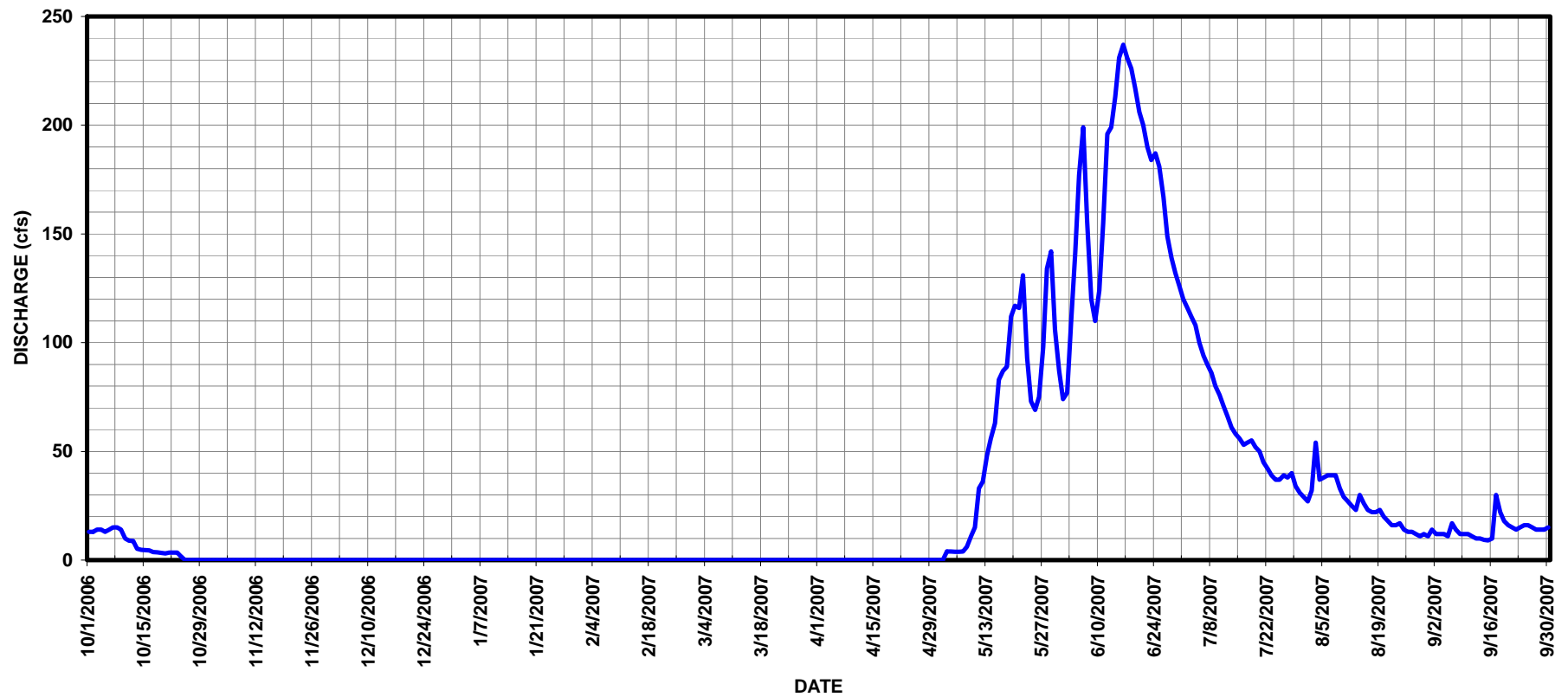
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	0	0	0	0	0	0	0	74	120	27	14
2	13	0	0	0	0	0	0	0	77	116	32	12
3	14	0	0	0	0	0	0	4.0	109	112	54	12
4	14	0	0	0	0	0	0	4.0	141	108	37	12
5	13	0	0	0	0	0	0	3.8	177	100	38	11
6	14	0	0	0	0	0	0	3.8	199	94	39	17
7	15	0	0	0	0	0	0	4.0	156	90	39	14
8	15	0	0	0	0	0	0	6.1	120	86	39	12
9	14	0	0	0	0	0	0	11	110	80	33	12
10	10	0	0	0	0	0	0	15	124	76	29	12
11	8.9	0	0	0	0	0	0	33	155	71	27	11
12	8.8	0	0	0	0	0	0	36	196	66	25	10
13	5.2	0	0	0	0	0	0	48	199	61	23	9.9
14	4.7	0	0	0	0	0	0	56	213	58	30	9.3
15	4.6	0	0	0	0	0	0	63	231	56	26	9.1
16	4.4	0	0	0	0	0	0	83	237	53	23	10
17	3.7	0	0	0	0	0	0	87	231	54	22	30
18	3.6	0	0	0	0	0	0	89	226	55	22	22
19	3.3	0	0	0	0	0	0	112	217	52	23	18
20	3.1	0	0	0	0	0	0	117	206	50	20	16
21	3.5	0	0	0	0	0	0	116	200	45	18	15
22	3.5	0	0	0	0	0	0	131	190	42	16	14
23	3.4	0	0	0	0	0	0	93	184	39	16	15
24	1.5	0	0	0	0	0	0	73	187	37	17	16
25	0	0	0	0	0	0	0	69	181	37	14	16
26	0	0	0	0	0	0	0	75	167	39	13	15
27	0	0	0	0	0	0	0	98	149	38	13	14
28	0	0	0	0	0	0	0	134	139	40	12	14
29	0	0	0	0	---	0	0	142	132	34	11	14
30	0	0	0	0	---	0	0	106	126	31	12	15
31	0	---	0	0	---	0	---	87	---	29	11	---
TOTAL	197.2	0	0	0	0	0	0	1899.7	5053	1969	761	421.3
MEAN	6.36	0	0	0	0	0	0	61.3	168	63.5	24.5	14.0
AC-FT	391	0	0	0	0	0	0	3770	10020	3910	1510	836
MAX	15	0	0	0	0	0	0	142	237	120	54	30
MIN	0	0	0	0	0	0	0	0	74	29	11	9.1

CAL YR	2006	TOTAL	9956	MEAN	27.2	MAX	255	MIN	0	AC-FT	19753
WTR YR	2007	TOTAL	10301	MEAN	28.2	MAX	237	MIN	0	AC-FT	20430

MAX DISCH: 276 CFS AT 18:30 ON Jun. 17, 2007 GH 3.38 FT. SHIFT 0 FT.
MAX GH: 3.38 FT. AT 18:30 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09010000 GRAND RIVER DITCH AT LA POUDRE PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

LOCATION.--Lat 40°31'14", long 105°53'32"; Diverts water from Michigan River and tributaries, to Joe Wright Creek (tributary to Cache La Poudre River) in sec. 2, T.6 N., R.76 W.

GAGE.--Sutron stage discharge recorder (SDR) in a wooden shelter and stilling well at a 2 foot Parshall Flume
Primary reference gage is an outside staff gage in the flume.

REMARKS.--Primary record is hourly averages of 5-minute SDR data values. The record is complete and reliable.
Record is good. Water was run from May 22 until July 10, 2007. Station maintained by Mark Simpson and record developed by Lee Cuning.

RATING TABLE.--STD02FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

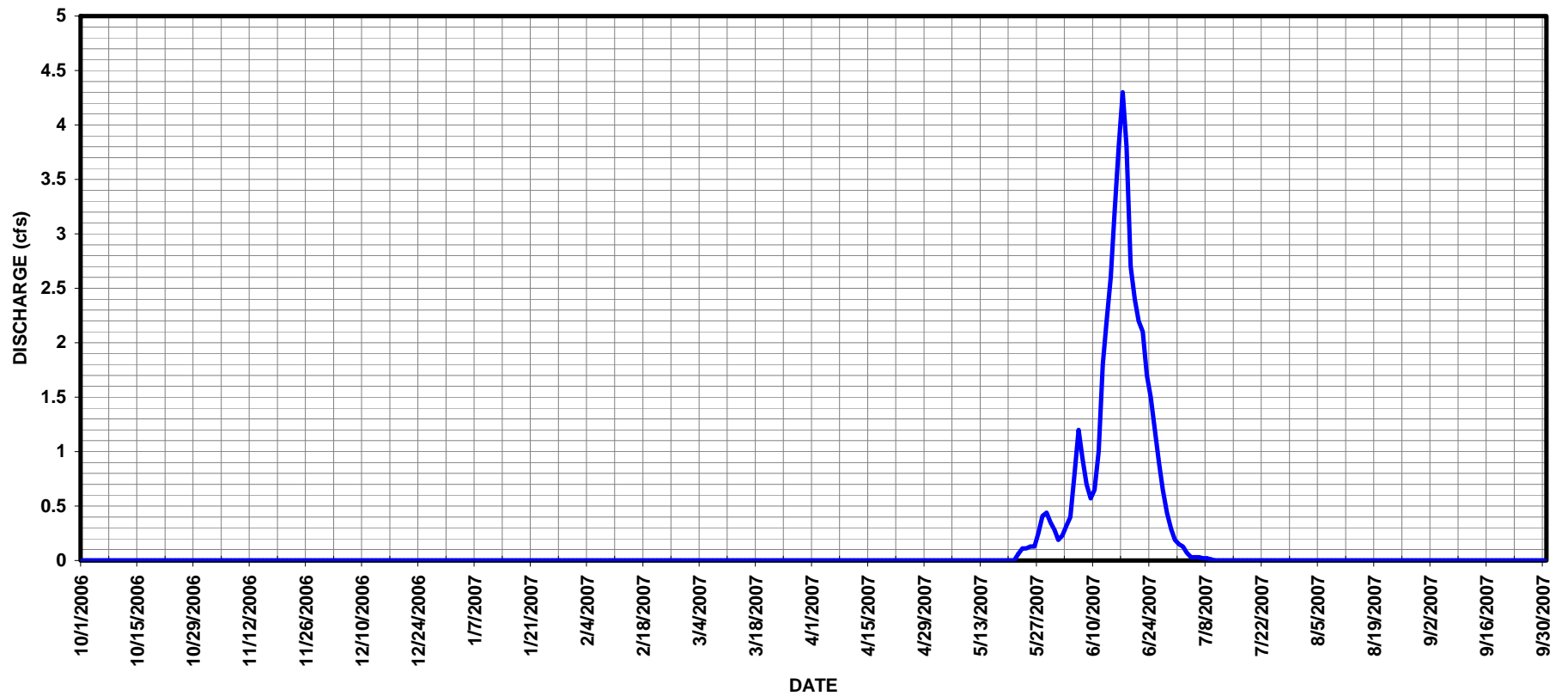
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	.19	.15	0	0
2	0	0	0	0	0	0	0	0	.23	.13	0	0
3	0	0	0	0	0	0	0	0	.32	.07	0	0
4	0	0	0	0	0	0	0	0	.40	.03	0	0
5	0	0	0	0	0	0	0	0	.79	.03	0	0
6	0	0	0	0	0	0	0	0	1.2	.03	0	0
7	0	0	0	0	0	0	0	0	.94	.02	0	0
8	0	0	0	0	0	0	0	0	.70	.02	0	0
9	0	0	0	0	0	0	0	0	.57	.01	0	0
10	0	0	0	0	0	0	0	0	.65	0	0	0
11	0	0	0	0	0	0	0	0	1.0	0	0	0
12	0	0	0	0	0	0	0	0	1.8	0	0	0
13	0	0	0	0	0	0	0	0	2.2	0	0	0
14	0	0	0	0	0	0	0	0	2.6	0	0	0
15	0	0	0	0	0	0	0	0	3.2	0	0	0
16	0	0	0	0	0	0	0	0	3.8	0	0	0
17	0	0	0	0	0	0	0	0	4.3	0	0	0
18	0	0	0	0	0	0	0	0	3.8	0	0	0
19	0	0	0	0	0	0	0	0	2.7	0	0	0
20	0	0	0	0	0	0	0	0	2.4	0	0	0
21	0	0	0	0	0	0	0	0	2.2	0	0	0
22	0	0	0	0	0	0	0	.06	2.1	0	0	0
23	0	0	0	0	0	0	0	.11	1.7	0	0	0
24	0	0	0	0	0	0	0	.11	1.5	0	0	0
25	0	0	0	0	0	0	0	.13	1.2	0	0	0
26	0	0	0	0	0	0	0	.13	.90	0	0	0
27	0	0	0	0	0	0	0	.25	.65	0	0	0
28	0	0	0	0	0	0	0	.41	.44	0	0	0
29	0	0	0	0	---	0	0	.44	.29	0	0	0
30	0	0	0	0	---	0	0	.35	.19	0	0	0
31	0	---	0	0	---	0	---	.28	---	0	0	---
TOTAL	0	0	0	0	0	0	0	2.27	44.96	.49	0	0
MEAN	0	0	0	0	0	0	0	.073	1.50	.016	0	0
AC-FT	0	0	0	0	0	0	0	4.5	89	1.0	0	0
MAX	0	0	0	0	0	0	0	.44	4.3	.15	0	0
MIN	0	0	0	0	0	0	0	0	.19	0	0	0

CAL YR	2006	TOTAL	81.60	MEAN	.22	MAX	6.0	MIN	0	AC-FT	162
WTR YR	2007	TOTAL	47.72	MEAN	.13	MAX	4.3	MIN	0	AC-FT	95

MAX DISCH: 5.23 CFS AT 16:15 ON Jun. 17, 2007 GH 0.76 FT. SHIFT 0 FT.
MAX GH: 0.76 FT. AT 16:15 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06745500 CAMERON PASS DITCH AT CAMERON PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

LOCATION.--Lat 40°31'14", long 105°53'30"; Diverts water from Michigan River and tributaries, to Joe Wright Creek (tributary to Cache la Poudre River) in sec. 2, T.6 N., R. 76 W.

GAGE.--Weekly graphic water-stage recorder and satellite monitoring equipment in a log shelter with a PVC well at co-located 9-inch and 8 foot Parshall flumes. An inside electric tape to the stilling well is the primary reference gage. The 9-inch Parshall sits side by side with the 8-foot flume, allowing winter and low flows (flows below about 4.5 cfs) to be measured. Two tables are used and the crest height for both flumes is tied to the electric tape, as both flumes share a common stilling well. The shelter is heated by propane so that the flume and well are free of ice. City of Fort Collins personnel put sections of halved 2-ft culverts in the ditch below the flume to stop the back water conditions experienced in the past.

REMARKS.--Primary record is hourly averages of 15-minute satellite data with chart backup. Periods of use for each flume were: October 1, 2006 - May 8, 2007, 9-inch Parshall; May 8 - Sept 17, 2007, 8-foot Parshall; Sept. 17-30, 2007, 9-inch Parshall. The record is complete and reliable. Missing satellite data on several days (Oct 31-Nov 3, Nov 9-10, Jan 14-15, Feb 24, Apr 11-12, 14, 17-18, May 8, 10) were replaced with chart data with no loss of accuracy. The record is considered good. The halved culverts below the flume stopped the back water issues completely. Station maintained and record developed by Mark Simpson.

RATING TABLE.--STD09INPF USED FROM 01-OCT-2006 TO 08-MAY-2007
 STD08FTPF USED FROM 08-MAY-2007 TO 17-SEP-2007
 STD09INPF USED FROM 17-SEP-2007 TO 30-SEP-2007

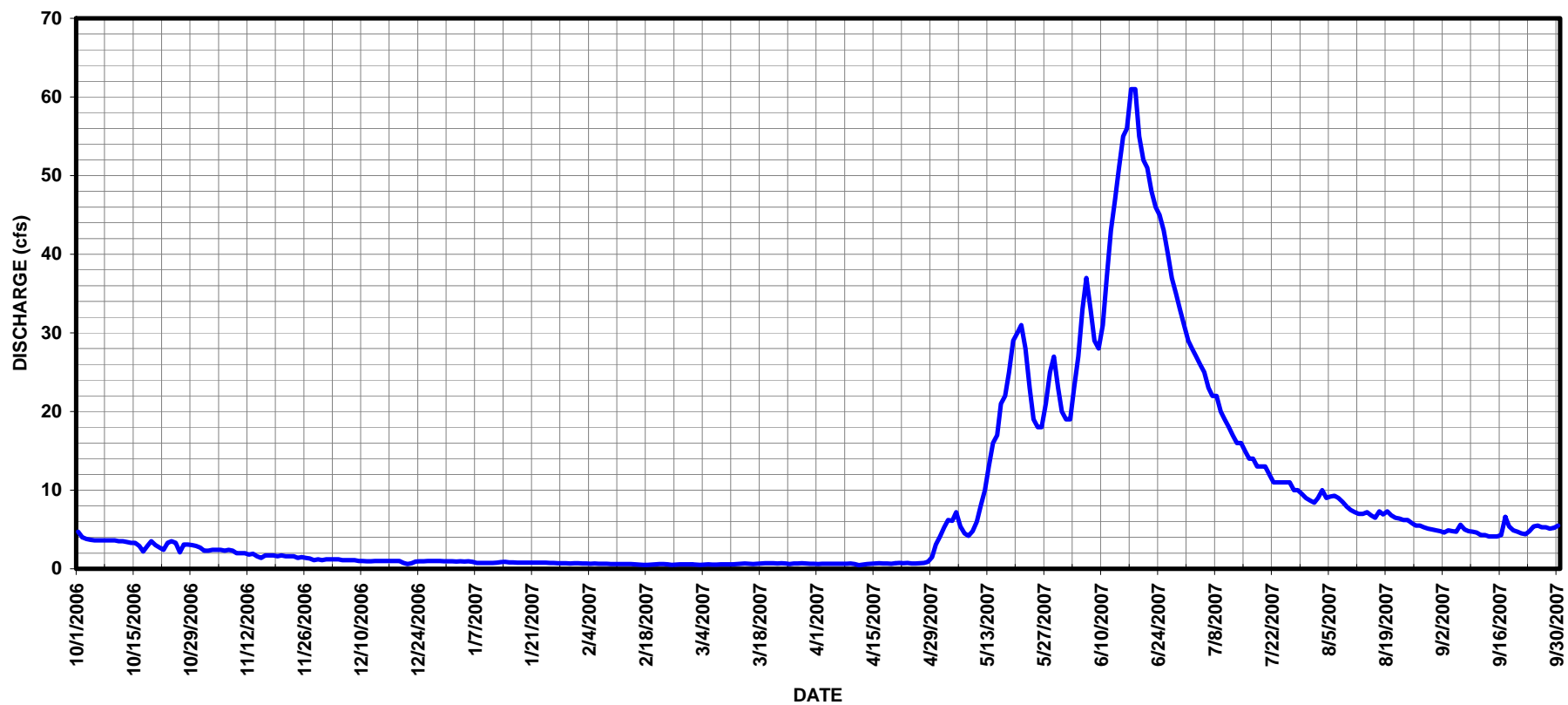
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	2.3	1.2	.96	.71	.56	.62	4.1	19	29	8.4	4.8
2	4.0	2.3	1.2	.93	.68	.53	.65	5.3	19	28	9.0	4.6
3	3.8	2.4	1.2	.94	.67	.51	.64	6.2	23	27	10	4.9
4	3.7	2.4	1.2	.91	.64	.52	.64	6.1	27	26	9.0	4.8
5	3.6	2.4	1.1	.94	.66	.55	.64	7.2	33	25	9.2	4.7
6	3.6	2.3	1.1	.88	.65	.54	.65	5.4	37	23	9.3	5.6
7	3.6	2.4	1.1	.74	.65	.54	.65	4.5	33	22	9.0	5.0
8	3.6	2.3	1.1	.74	.64	.56	.65	4.2	29	22	8.5	4.8
9	3.6	2.0	1.0	.75	.62	.56	.67	4.8	28	20	7.9	4.7
10	3.6	2.0	1.0	.74	.62	.55	.59	6.0	31	19	7.5	4.6
11	3.5	2.0	.96	.74	.62	.57	.47	8.0	37	18	7.2	4.3
12	3.5	1.8	.97	.78	.62	.59	.54	10	43	17	7.0	4.3
13	3.4	1.9	.99	.85	.60	.65	.61	13	47	16	7.0	4.1
14	3.3	1.6	1.0	.87	.60	.66	.63	16	51	16	7.2	4.1
15	3.3	1.4	1.0	.81	.58	.65	.68	17	55	15	6.8	4.1
16	2.9	1.7	.99	.80	.52	.62	.70	21	56	14	6.5	4.3
17	2.2	1.7	.99	.78	.48	.65	.68	22	61	14	7.3	6.6
18	2.9	1.7	.99	.79	.48	.69	.68	25	61	13	6.9	5.4
19	3.5	1.6	.99	.78	.53	.72	.63	29	55	13	7.3	4.9
20	3.0	1.7	.73	.79	.57	.72	.72	30	52	13	6.8	4.7
21	2.7	1.6	.62	.78	.59	.71	.74	31	51	12	6.5	4.5
22	2.4	1.6	.72	.78	.59	.68	.72	28	48	11	6.4	4.4
23	3.3	1.6	.92	.78	.58	.71	.73	23	46	11	6.2	4.8
24	3.5	1.4	.97	.77	.51	.68	.66	19	45	11	6.2	5.4
25	3.3	1.5	.97	.75	.52	.62	.67	18	43	11	5.8	5.5
26	2.1	1.4	.98	.74	.56	.66	.70	18	40	11	5.5	5.3
27	3.1	1.3	1.0	.72	.56	.67	.73	21	37	10	5.5	5.3
28	3.1	1.1	1.0	.70	.56	.70	.89	25	35	10	5.3	5.1
29	3.0	1.2	1.0	.70	---	.66	1.5	27	33	9.5	5.1	5.2
30	2.9	1.1	.97	.69	---	.65	3.1	23	31	9.0	5.0	5.5
31	2.7	---	.95	.71	---	.64	---	20	---	8.7	4.9	---
TOTAL	101.4	53.7	30.91	24.64	16.61	19.32	23.18	497.8	1206	504.2	220.2	146.3
MEAN	3.27	1.79	1.00	.79	.59	.62	.77	16.1	40.2	16.3	7.10	4.88
AC-FT	201	107	61	49	33	38	46	987	2390	1000	437	290
MAX	4.7	2.4	1.2	.96	.71	.72	3.1	31	61	29	10	6.6
MIN	2.1	1.1	.62	.69	.48	.51	.47	4.1	19	8.7	4.9	4.1
CAL YR	2006	TOTAL	1331.01	MEAN	3.65	MAX	60	MIN	0	AC-FT	2640	
WTR YR	2007	TOTAL	2844.26	MEAN	7.79	MAX	61	MIN	.47	AC-FT	5640	

MAX DISCH: 72.3 CFS AT 17:45 ON June 17, 2007 GH 1.66 FT. SHIFT 0 FT. (8' Parshall Flume)
 MAX GH: 1.66 FT. AT 17:45 ON June 17, 2007 (8' Parshall Flume)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06746000 MICHIGAN DITCH AT CAMERON PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 40°39'50", long 105°53'10"; Diverts water from West Branch Laramie River, to Chambers Lake (tributary to Cache la Poudre River) in sec. 31, T.8 N., R.75 W.

GAGE.--F-type graphic water-stage recorder in a wood shelter at a 10-ft. Parshall Flume. A drop tape inside the well is the primary reference.

REMARKS.--The primary record is mean daily gage heights taken from the chart recorder. This is the only source. The charts are worked by the District 3 water commissioner and checked by hydrographer. No water was run during WY2007. Station maintained and record developed by Lee Cunning.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

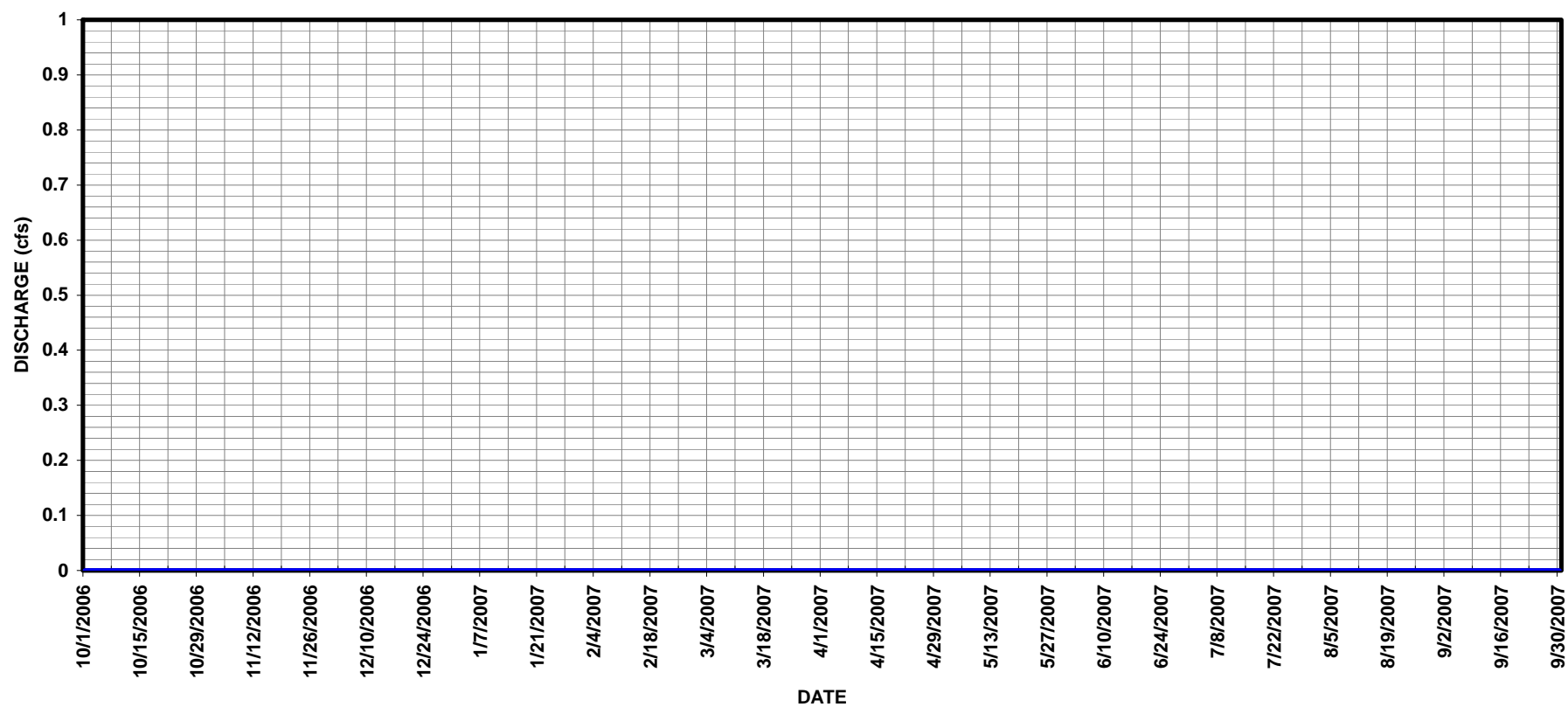
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	157.8	MEAN	.43	MAX	14	MIN	0	AC-FT	313
WTR YR	2007	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0

MAX DISCH: 0 CFS AT 00:00 ON Oct. 01, 2006 GH 0 FT. SHIFT 0 FT.
MAX GH: 0 FT. AT 00:00 ON Oct. 01, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 40°40'34", long 105°50'49"; Laramie-Poudre tunnel diverts water from Laramie River and tributaries to Cache la Poudre River in sec 9, T.8 N., R.75 W.

GAGE.--F-type graphic water stage recorder with satellite telemetry at a 10-foot Parshall Flume. The gage is referenced with a drop tape from an inside reference point. Supplemental outside staff gage.

REMARKS.--Primary record is hourly averages of 15-minute satellite data with chart backup. The record is complete and reliable. The tunnel was started on May 3rd and water was diverted until July 28th when it was turned off. Record is good. Station maintained and record developed by Lee Cunning.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

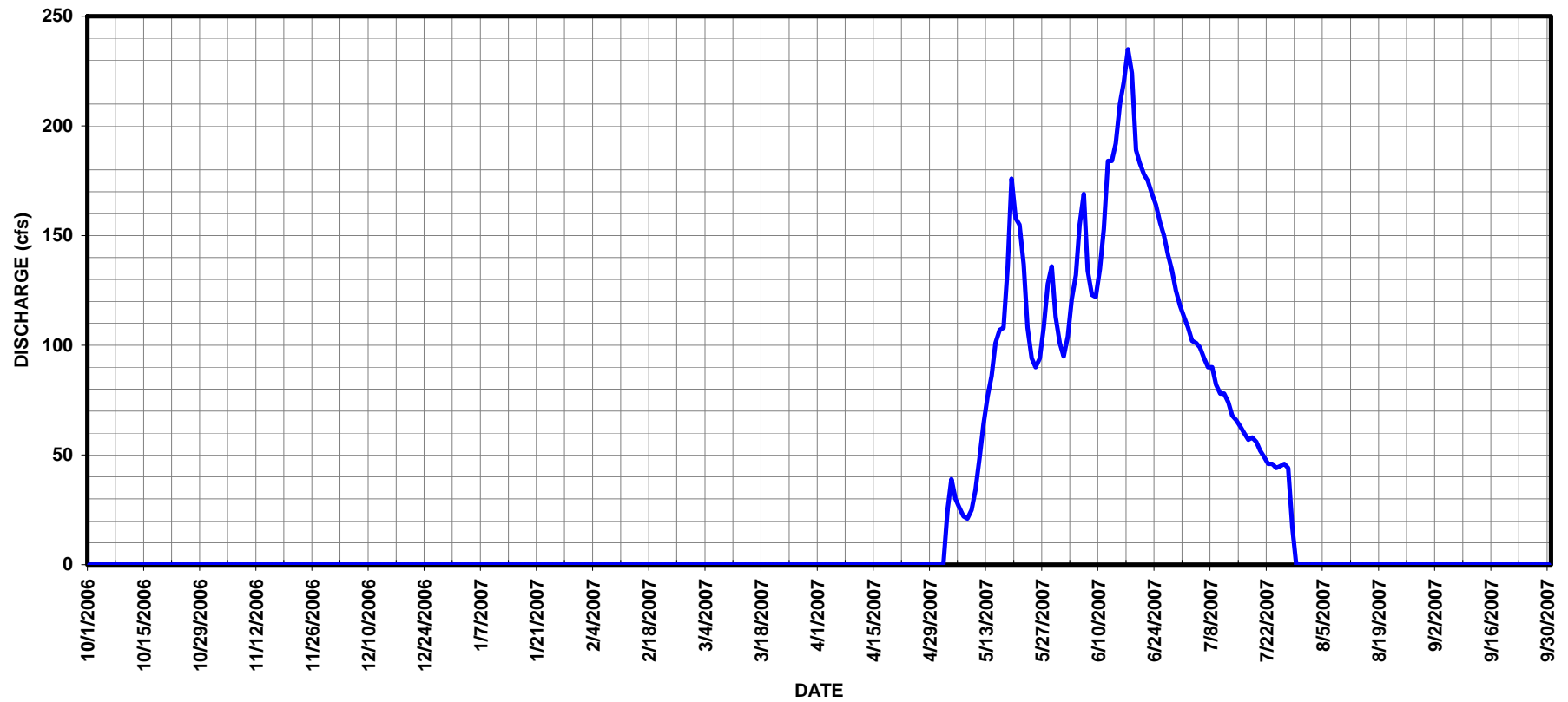
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	95	113	0	0
2	0	0	0	0	0	0	0	0	104	108	0	0
3	0	0	0	0	0	0	0	25	121	102	0	0
4	0	0	0	0	0	0	0	39	132	101	0	0
5	0	0	0	0	0	0	0	30	155	99	0	0
6	0	0	0	0	0	0	0	26	169	94	0	0
7	0	0	0	0	0	0	0	22	134	90	0	0
8	0	0	0	0	0	0	0	21	123	90	0	0
9	0	0	0	0	0	0	0	25	122	82	0	0
10	0	0	0	0	0	0	0	34	135	78	0	0
11	0	0	0	0	0	0	0	49	153	78	0	0
12	0	0	0	0	0	0	0	64	184	74	0	0
13	0	0	0	0	0	0	0	77	184	68	0	0
14	0	0	0	0	0	0	0	86	192	66	0	0
15	0	0	0	0	0	0	0	101	210	63	0	0
16	0	0	0	0	0	0	0	107	220	60	0	0
17	0	0	0	0	0	0	0	108	235	57	0	0
18	0	0	0	0	0	0	0	136	224	58	0	0
19	0	0	0	0	0	0	0	176	189	56	0	0
20	0	0	0	0	0	0	0	158	183	52	0	0
21	0	0	0	0	0	0	0	155	178	49	0	0
22	0	0	0	0	0	0	0	137	175	46	0	0
23	0	0	0	0	0	0	0	108	169	46	0	0
24	0	0	0	0	0	0	0	94	164	44	0	0
25	0	0	0	0	0	0	0	90	156	45	0	0
26	0	0	0	0	0	0	0	94	150	46	0	0
27	0	0	0	0	0	0	0	108	141	44	0	0
28	0	0	0	0	0	0	0	128	134	17	0	0
29	0	0	0	0	---	0	0	136	125	0	0	0
30	0	0	0	0	---	0	0	113	118	0	0	0
31	0	---	0	0	---	0	---	101	---	0	0	---
TOTAL	0	0	0	0	0	0	0	2548	4774	1926	0	0
MEAN	0	0	0	0	0	0	0	82.2	159	62.1	0	0
AC-FT	0	0	0	0	0	0	0	5050	9470	3820	0	0
MAX	0	0	0	0	0	0	0	176	235	113	0	0
MIN	0	0	0	0	0	0	0	0	95	0	0	0

CAL YR	2006	TOTAL	9444.72	MEAN	25.87	MAX	270	MIN	0	AC-FT	18730
WTR YR	2007	TOTAL	9248	MEAN	25.3	MAX	235	MIN	0	AC-FT	18340

MAX DISCH: 270 CFS AT 19:00 ON Jun. 17, 2007 GH 3.33 FT. SHIFT 0 FT.
MAX GH: 3.33 FT. AT 19:00 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

BOB CREEK DITCH NEAR GLENDEVEY, CO

LOCATION.--Lat 40°31'50", long 105°45'40" NESWNW, sec. 11, 9 N., 75 W.

GAGE.--Stevens F-type graphic water-stage recorder in a metal shelter with stilling well at a 3-foot Parshall Flume owned by the City of Greeley. There is a staff in the flume and a drop tape for the well, with the drop tape being the primary reference. A Stage Discharge Recorder (SDR) was installed this Water Year as the primary recording device.

REMARKS.--Primary record was taken from 5-minute SDR data with chart gage heights as back up. Access to this gage is very difficult. The gage was dug out and the recorder was installed on May 8, 2007, but water did not flow in the ditch until May 10, 2007. Water diverted from May 10, 2007 at 02:00 PM until June 27, 2007 at 10:00 AM. SDR data were inaccurate on May 10-11, 2007. Chart data were corrected for scale problems and used without loss of accuracy. The record is good. Record developed by Lee Cunning.

RATING TABLE.--STD03FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

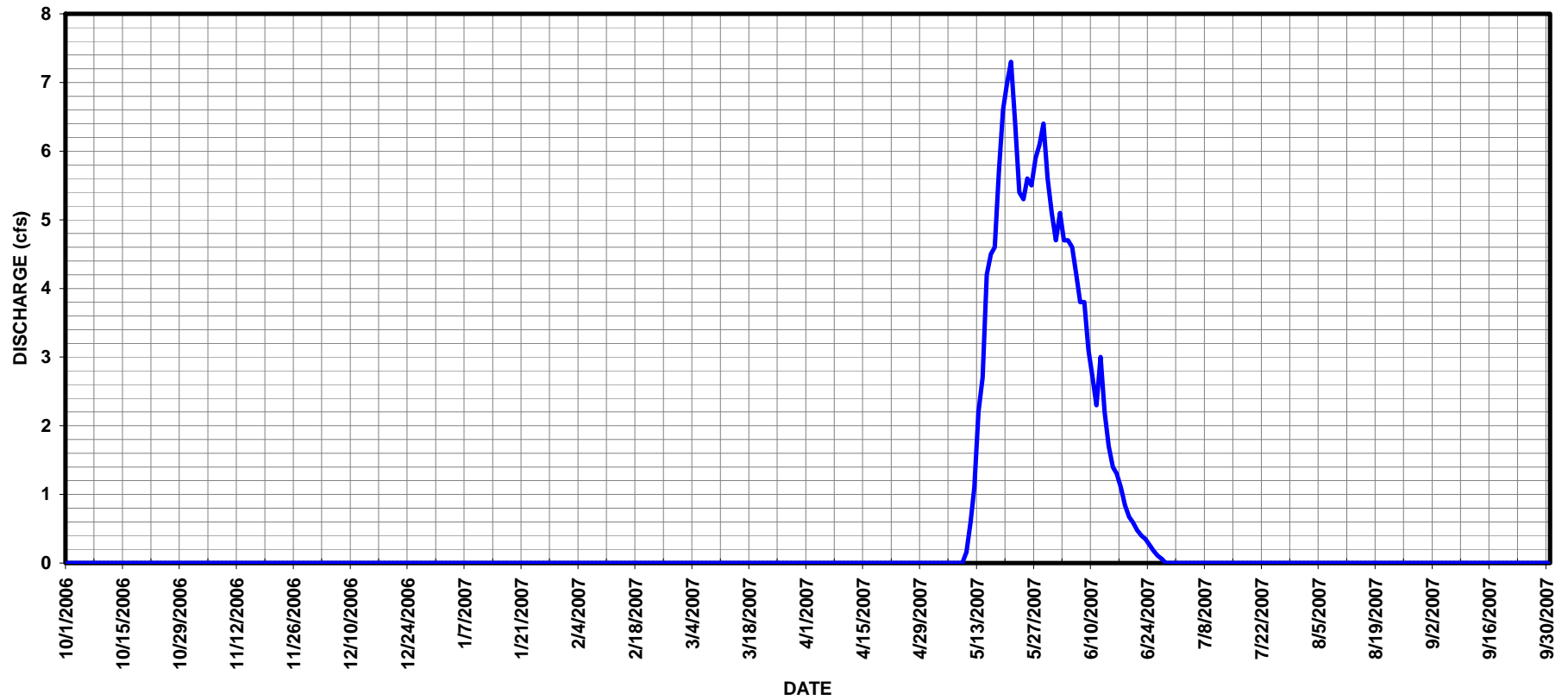
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	4.7	0	0	0
2	0	0	0	0	0	0	0	0	5.1	0	0	0
3	0	0	0	0	0	0	0	0	4.7	0	0	0
4	0	0	0	0	0	0	0	0	4.7	0	0	0
5	0	0	0	0	0	0	0	0	4.6	0	0	0
6	0	0	0	0	0	0	0	0	4.2	0	0	0
7	0	0	0	0	0	0	0	0	3.8	0	0	0
8	0	0	0	0	0	0	0	0	3.8	0	0	0
9	0	0	0	0	0	0	0	0	3.1	0	0	0
10	0	0	0	0	0	0	0	.16	2.7	0	0	0
11	0	0	0	0	0	0	0	.60	2.3	0	0	0
12	0	0	0	0	0	0	0	1.1	3.0	0	0	0
13	0	0	0	0	0	0	0	2.2	2.2	0	0	0
14	0	0	0	0	0	0	0	2.7	1.7	0	0	0
15	0	0	0	0	0	0	0	4.2	1.4	0	0	0
16	0	0	0	0	0	0	0	4.5	1.3	0	0	0
17	0	0	0	0	0	0	0	4.6	1.1	0	0	0
18	0	0	0	0	0	0	0	5.7	.84	0	0	0
19	0	0	0	0	0	0	0	6.6	.67	0	0	0
20	0	0	0	0	0	0	0	7.0	.59	0	0	0
21	0	0	0	0	0	0	0	7.3	.48	0	0	0
22	0	0	0	0	0	0	0	6.4	.40	0	0	0
23	0	0	0	0	0	0	0	5.4	.35	0	0	0
24	0	0	0	0	0	0	0	5.3	.27	0	0	0
25	0	0	0	0	0	0	0	5.6	.18	0	0	0
26	0	0	0	0	0	0	0	5.5	.11	0	0	0
27	0	0	0	0	0	0	0	5.9	.06	0	0	0
28	0	0	0	0	0	0	0	6.1	0	0	0	0
29	0	0	0	0	---	0	0	6.4	0	0	0	0
30	0	0	0	0	---	0	0	5.6	0	0	0	0
31	0	---	0	0	---	0	---	5.1	---	0	0	---
TOTAL	0	0	0	0	0	0	0	103.96	58.35	0	0	0
MEAN	0	0	0	0	0	0	0	3.35	1.95	0	0	0
AC-FT	0	0	0	0	0	0	0	206	116	0	0	0
MAX	0	0	0	0	0	0	0	7.3	5.1	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	108.40	MEAN	.30	MAX	9.8	MIN	0	AC-FT	215
WTR YR	2007	TOTAL	162.31	MEAN	.44	MAX	7.3	MIN	0	AC-FT	322

MAX DISCH: 8.96 CFS AT 18:40 ON May. 20, 2007 GH 0.86 FT. SHIFT -0.03 FT.
MAX GH: 0.86 FT. AT 18:40 ON May. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BOB CREEK DITCH NEAR GLENDEVEY CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

DEADMAN DITCH NEAR DEADMAN PARK, CO

LOCATION.--Lat 40°50'04", long 105°48'05", sec. 9, T. 10 N., R. 75 W., Diverts water from Laramie River and tributaries, to Sheep Creek (tributary to Cache La Poudre River) via Sand Creek.

GAGE.--F-type graphic water-stage recorder at a 6-foot Parshall Flume. The recorder is in a steel shelter and the gage is referenced with an outside staff gage in the flume. A Stage Discharge Recorder (SDR) was installed and used as the primary data recording device with the chart as backup.

REMARKS.--The primary record is 5-minute data taken from the SDR with the chart as backup. The record is complete and reliable, except for the period (May 1st - May 13th). These days the floats were frozen and the flume was 100% submerged. Record is good, except for May 1-13, 2007, which were ice affected and submerged and are considered poor, and May 14 and 15, 2007, which were fair due to corrections to the SDR after the ice period. Water was run from May 1 - July 10, 2007. Record developed by Lee Cunning.

RATING TABLE.--STD06FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

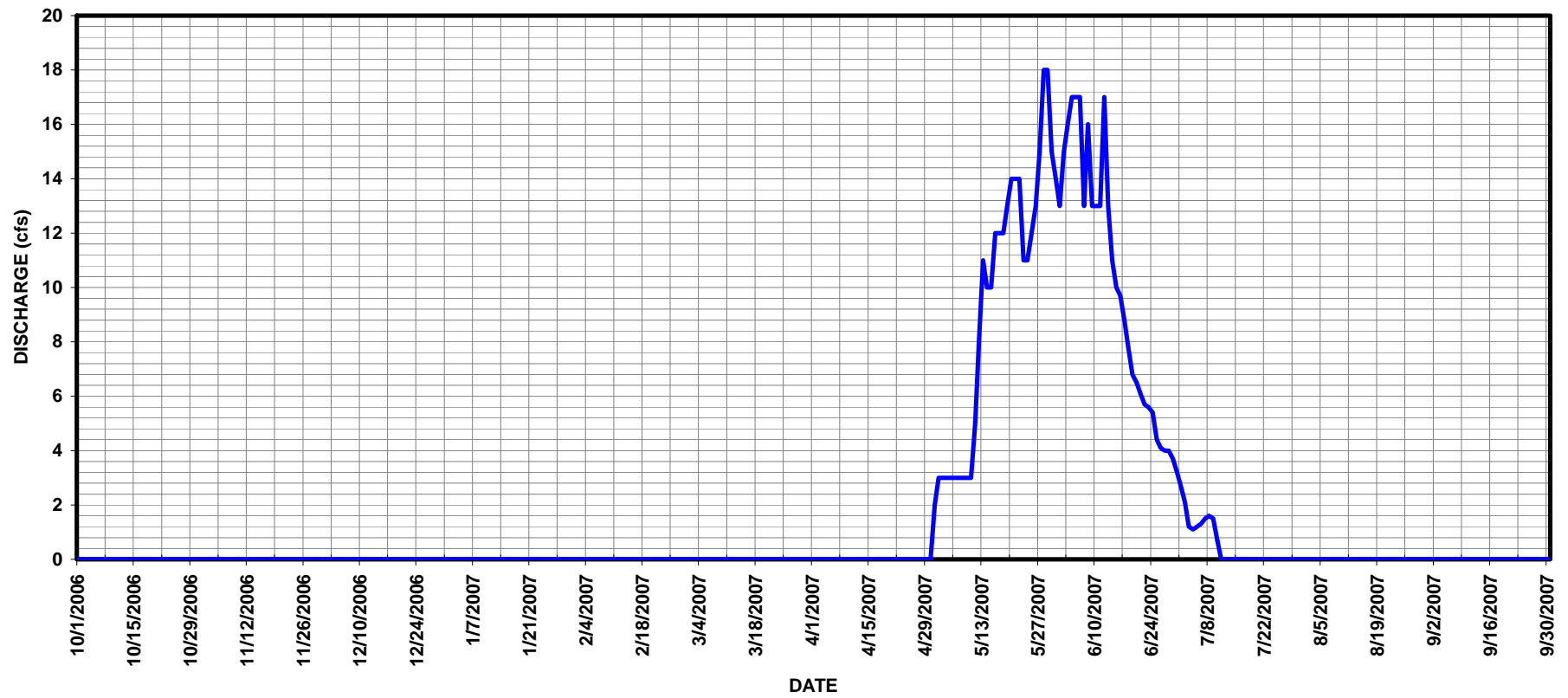
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.0	13	2.7	0	0
2	0	0	0	0	0	0	0	3.0	15	2.1	0	0
3	0	0	0	0	0	0	0	3.0	16	1.2	0	0
4	0	0	0	0	0	0	0	3.0	17	1.1	0	0
5	0	0	0	0	0	0	0	3.0	17	1.2	0	0
6	0	0	0	0	0	0	0	3.0	17	1.3	0	0
7	0	0	0	0	0	0	0	3.0	13	1.5	0	0
8	0	0	0	0	0	0	0	3.0	16	1.6	0	0
9	0	0	0	0	0	0	0	3.0	13	1.5	0	0
10	0	0	0	0	0	0	0	3.0	13	.69	0	0
11	0	0	0	0	0	0	0	5.0	13	0	0	0
12	0	0	0	0	0	0	0	8.0	17	0	0	0
13	0	0	0	0	0	0	0	11	13	0	0	0
14	0	0	0	0	0	0	0	10	11	0	0	0
15	0	0	0	0	0	0	0	10	10	0	0	0
16	0	0	0	0	0	0	0	12	9.7	0	0	0
17	0	0	0	0	0	0	0	12	8.8	0	0	0
18	0	0	0	0	0	0	0	12	7.8	0	0	0
19	0	0	0	0	0	0	0	13	6.8	0	0	0
20	0	0	0	0	0	0	0	14	6.5	0	0	0
21	0	0	0	0	0	0	0	14	6.1	0	0	0
22	0	0	0	0	0	0	0	14	5.7	0	0	0
23	0	0	0	0	0	0	0	11	5.6	0	0	0
24	0	0	0	0	0	0	0	11	5.4	0	0	0
25	0	0	0	0	0	0	0	12	4.4	0	0	0
26	0	0	0	0	0	0	0	13	4.1	0	0	0
27	0	0	0	0	0	0	0	15	4.0	0	0	0
28	0	0	0	0	0	0	0	18	4.0	0	0	0
29	0	0	0	0	---	0	0	18	3.7	0	0	0
30	0	0	0	0	---	0	0	15	3.2	0	0	0
31	0	---	0	0	---	0	---	14	---	0	0	---
TOTAL	0	0	0	0	0	0	0	291.0	299.8	14.89	0	0
MEAN	0	0	0	0	0	0	0	9.39	9.99	.48	0	0
AC-FT	0	0	0	0	0	0	0	577	595	30	0	0
MAX	0	0	0	0	0	0	0	18	17	2.7	0	0
MIN	0	0	0	0	0	0	0	2.0	3.2	0	0	0

CAL YR	2006	TOTAL	306.41	MEAN	0.84	MAX	18	MIN	0	AC-FT	608
WTR YR	2007	TOTAL	605.69	MEAN	1.66	MAX	18	MIN	0	AC-FT	1200

MAX DISCH: 25.5 CFS AT 19:05 ON May. 28, 2007 GH 1.04 FT. SHIFT 0 FT.
MAX GH: 1.04 FT. AT 19:05 ON May. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DEADMAN DITCH NEAR DEADMAN PARK CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

LOCATION.--Lat 40°54'31", long 105°46'43"; Diverts water from Sand Creek and Deadman Creek in Laramie River basin to Sheep Creek (tributary to North Fork Cache la Poudre River) in sec. 23, T.11 N., R.75 W., in the Cache la Poudre River basin.

GAGE.-- Satellite telemetry and an F-type graphic water-stage recorder at a 10-foot Parshall Flume with a staff gage. Gage is referenced with an inside drop tape.

REMARKS.--Primary record is hourly averages of 15-minute satellite data with the chart as a backup. The record is complete and reliable. Record is good. Water was run from May 3 - July 7, 2007, when the ditch was shut off. Record developed by Lee Cunning.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

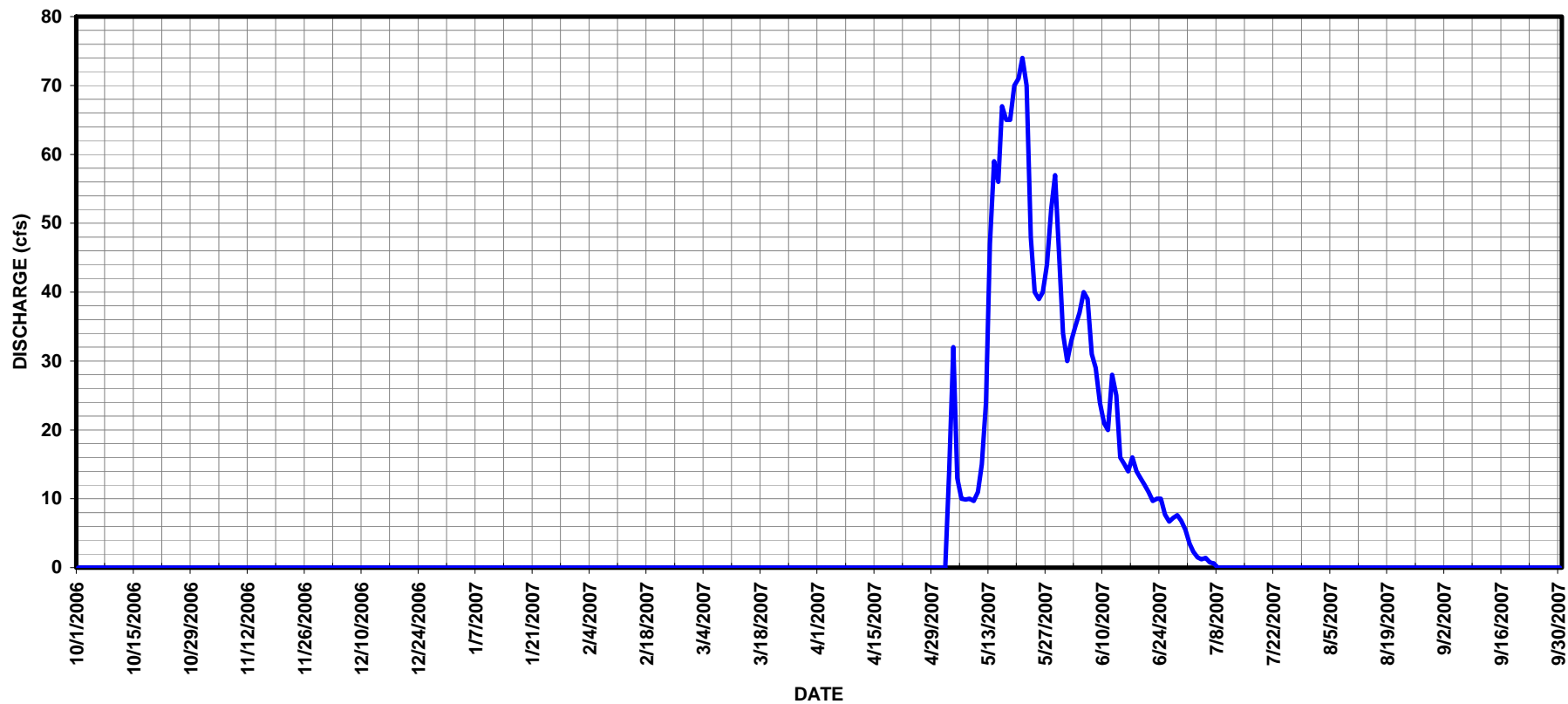
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	30	3.5	0	0
2	0	0	0	0	0	0	0	0	33	2.3	0	0
3	0	0	0	0	0	0	0	14	35	1.5	0	0
4	0	0	0	0	0	0	0	32	37	1.2	0	0
5	0	0	0	0	0	0	0	13	40	1.4	0	0
6	0	0	0	0	0	0	0	10	39	.78	0	0
7	0	0	0	0	0	0	0	9.9	31	.62	0	0
8	0	0	0	0	0	0	0	10	29	0	0	0
9	0	0	0	0	0	0	0	9.7	24	0	0	0
10	0	0	0	0	0	0	0	11	21	0	0	0
11	0	0	0	0	0	0	0	15	20	0	0	0
12	0	0	0	0	0	0	0	24	28	0	0	0
13	0	0	0	0	0	0	0	47	25	0	0	0
14	0	0	0	0	0	0	0	59	16	0	0	0
15	0	0	0	0	0	0	0	56	15	0	0	0
16	0	0	0	0	0	0	0	67	14	0	0	0
17	0	0	0	0	0	0	0	65	16	0	0	0
18	0	0	0	0	0	0	0	65	14	0	0	0
19	0	0	0	0	0	0	0	70	13	0	0	0
20	0	0	0	0	0	0	0	71	12	0	0	0
21	0	0	0	0	0	0	0	74	11	0	0	0
22	0	0	0	0	0	0	0	70	9.7	0	0	0
23	0	0	0	0	0	0	0	48	10	0	0	0
24	0	0	0	0	0	0	0	40	10	0	0	0
25	0	0	0	0	0	0	0	39	7.7	0	0	0
26	0	0	0	0	0	0	0	40	6.7	0	0	0
27	0	0	0	0	0	0	0	44	7.2	0	0	0
28	0	0	0	0	0	0	0	52	7.6	0	0	0
29	0	0	0	0	---	0	0	57	6.8	0	0	0
30	0	0	0	0	---	0	0	45	5.5	0	0	0
31	0	---	0	0	---	0	---	34	---	0	0	---
TOTAL	0	0	0	0	0	0	0	1191.6	574.2	11.30	0	0
MEAN	0	0	0	0	0	0	0	38.4	19.1	.36	0	0
AC-FT	0	0	0	0	0	0	0	2360	1140	22	0	0
MAX	0	0	0	0	0	0	0	74	40	3.5	0	0
MIN	0	0	0	0	0	0	0	0	5.5	0	0	0

CAL YR	2006	TOTAL	672.87	MEAN	1.84	MAX	34	MIN	0	AC-FT	1330
WTR YR	2007	TOTAL	1777.1	MEAN	4.87	MAX	74	MIN	0	AC-FT	3520

MAX DISCH: 93.8 CFS AT 21:00 ON May. 21, 2007 GH 1.72 FT. SHIFT 0 FT.
MAX GH: 1.72 FT. AT 21:00 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR CO
WY2007 HYDROGRAPH



REPUBLICAN RIVER BASIN

PIONEER DITCH AT HEADGATE NEAR LAIRD, CO

LOCATION.--Lat 40°05'05", long 102°08'30", SW¹/₄NE¹/₄ sec. 2, T.1 N., R.43 W., Yuma County, 4 mi east of Wray, Co., 1000 ft south of U.S. Highway 34.

DRAINAGE AREA.--N/A

GAGE.--Type-F weekly graphic chart recorder and a high data rate Satellite Monitoring DCP, in metal box enclosure and well section at a 5-foot Parshall Flume. The flume is installed in concrete canal section and is referenced with an outside staff. The canal is equipped with a timber suspended in the flow to slow down velocities into the flume.

REMARKS.--The primary record is hourly averages of 15-minute satellite data with chart back up. The record is complete and reliable. The canal was off from October 17, 2006 to April 21, 2007; June 14-18, August 7-10, 24-27, 2007. The record is good, except for peak discharge on July 28, 2007 which is considered estimated and fair. Station maintained by Div 1 Staff and record developed by Lee Cuning.

RATING TABLE.--STD05FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

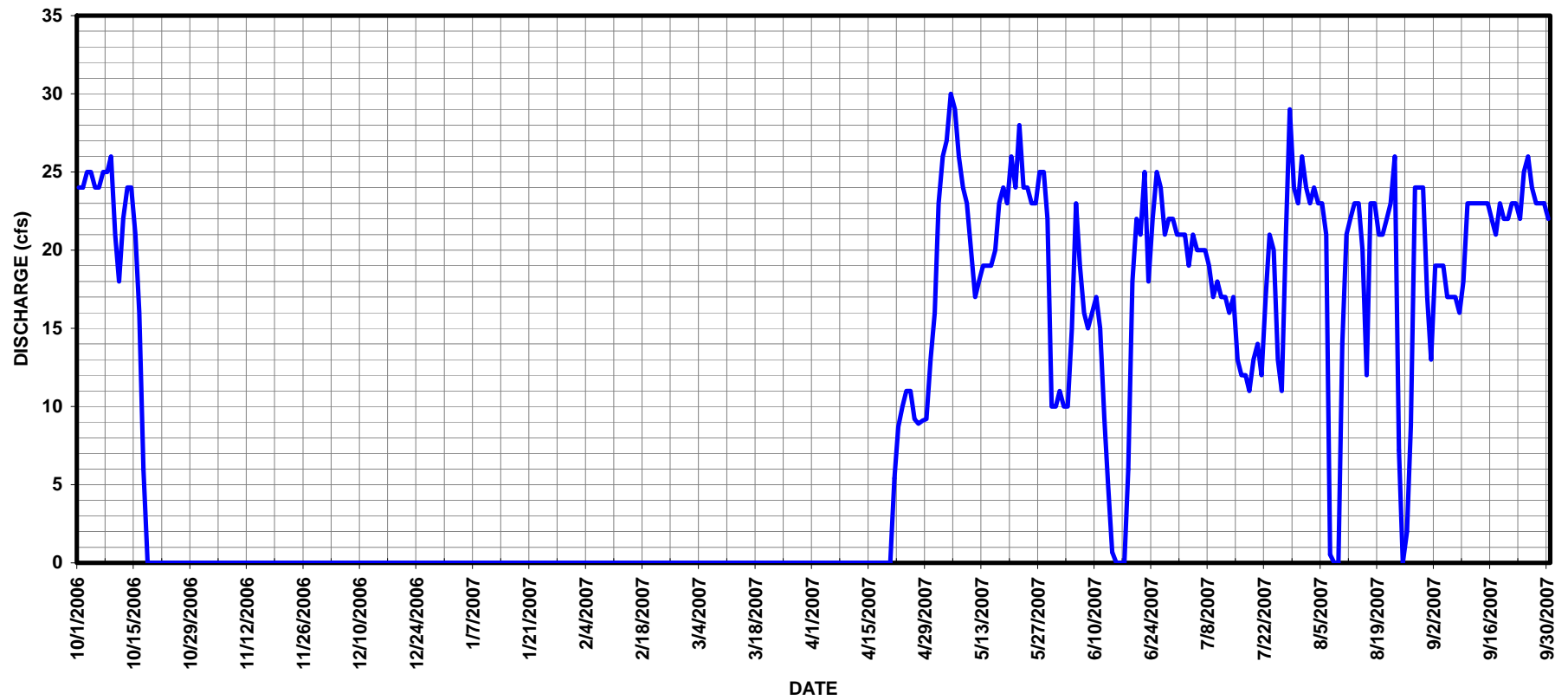
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	0	0	0	0	0	0	16	11	21	24	13
2	24	0	0	0	0	0	0	23	10	21	23	19
3	25	0	0	0	0	0	0	26	10	19	24	19
4	25	0	0	0	0	0	0	27	15	21	23	19
5	24	0	0	0	0	0	0	30	23	20	23	17
6	24	0	0	0	0	0	0	29	19	20	21	17
7	25	0	0	0	0	0	0	26	16	20	.53	17
8	25	0	0	0	0	0	0	24	15	19	0	16
9	26	0	0	0	0	0	0	23	16	17	0	18
10	21	0	0	0	0	0	0	20	17	18	14	23
11	18	0	0	0	0	0	0	17	15	17	21	23
12	22	0	0	0	0	0	0	18	9.3	17	22	23
13	24	0	0	0	0	0	0	19	4.9	16	23	23
14	24	0	0	0	0	0	0	19	.69	17	23	23
15	21	0	0	0	0	0	0	19	0	13	20	23
16	16	0	0	0	0	0	0	20	0	12	12	22
17	6.0	0	0	0	0	0	0	23	0	12	23	21
18	0	0	0	0	0	0	0	24	6.0	11	23	23
19	0	0	0	0	0	0	0	23	18	13	21	22
20	0	0	0	0	0	0	0	26	22	14	21	22
21	0	0	0	0	0	0	5.4	24	21	12	22	23
22	0	0	0	0	0	0	8.7	28	25	17	23	23
23	0	0	0	0	0	0	10	24	18	21	26	22
24	0	0	0	0	0	0	11	24	22	20	7.2	25
25	0	0	0	0	0	0	11	23	25	13	0	26
26	0	0	0	0	0	0	9.2	23	24	11	2.0	24
27	0	0	0	0	0	0	8.9	25	21	21	8.8	23
28	0	0	0	0	0	0	9.1	25	22	29	24	23
29	0	0	0	0	---	0	9.2	22	22	24	24	23
30	0	0	0	0	---	0	13	10	21	23	24	22
31	0	---	0	0	---	0	---	10	---	26	17	---
TOTAL	374.0	0	0	0	0	0	95.5	690	448.89	555	539.53	637
MEAN	12.1	0	0	0	0	0	3.18	22.3	15.0	17.9	17.4	21.2
AC-FT	742	0	0	0	0	0	189	1370	890	1100	1070	1260
MAX	26	0	0	0	0	0	13	30	25	29	26	26
MIN	0	0	0	0	0	0	0	10	0	11	0	13
CAL YR	2006	TOTAL	3575.6	MEAN	9.80	MAX	30	MIN	0	AC-FT	7090	
WTR YR	2007	TOTAL	3339.9	MEAN	9.15	MAX	30	MIN	0	AC-FT	6620	

MAX DISCH: 61 CFS AT 01:10 ON Jul. 28, 2007 (ESTIMATED)

MAX GH: 2.09 FT. AT 01:10 ON Jul. 28, 2007 (ESTIMATED)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PIONEER DITCH AT HEADGATE NEAR LAIRD CO
WY2007 HYDROGRAPH



REPUBLICAN RIVER BASIN

PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

LOCATION.--Lat 40°03'25", long 102°03'10", SW¼SW¼ sec. 10, T.1 N., R.42 W., Yuma County; 1200 ft south of U.S. Highway 34 at Colorado/Nebraska State line.

DRAINAGE AREA.--N/A

GAGE.--Type-F graphic water-stage recorder and a Sutron High Data Rate DCP in metal box and well. The site is equipped with a 4-foot Parshall Flume with two outside vertical enameled steel staffs (Ha-Hb, with the Hb staff set with 4.0 ft = 0.0). The Ha staff is the primary reference. Station maintained by Pioneer Ditch Company.

REMARKS.--Record is hourly averages of 15-minute satellite data with the chart as backup. The record is complete. The ditch did not run October 18, 2006 through April 20, 2007; and was off June 14-18, August 7-10, 24-27, 2007. Gage height record less than 0.06 ft was considered zero due to the float being beached on the mud in the stilling well. Hourly data points less than 0.06 ft are averages of four 15 minute data points, some of which are zero. If it is noted the ditch was off on visit logs and some residual GH's were between 0.00 and 0.14, then flow was considered zero. Record is good. Record developed by Lee Cunning.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

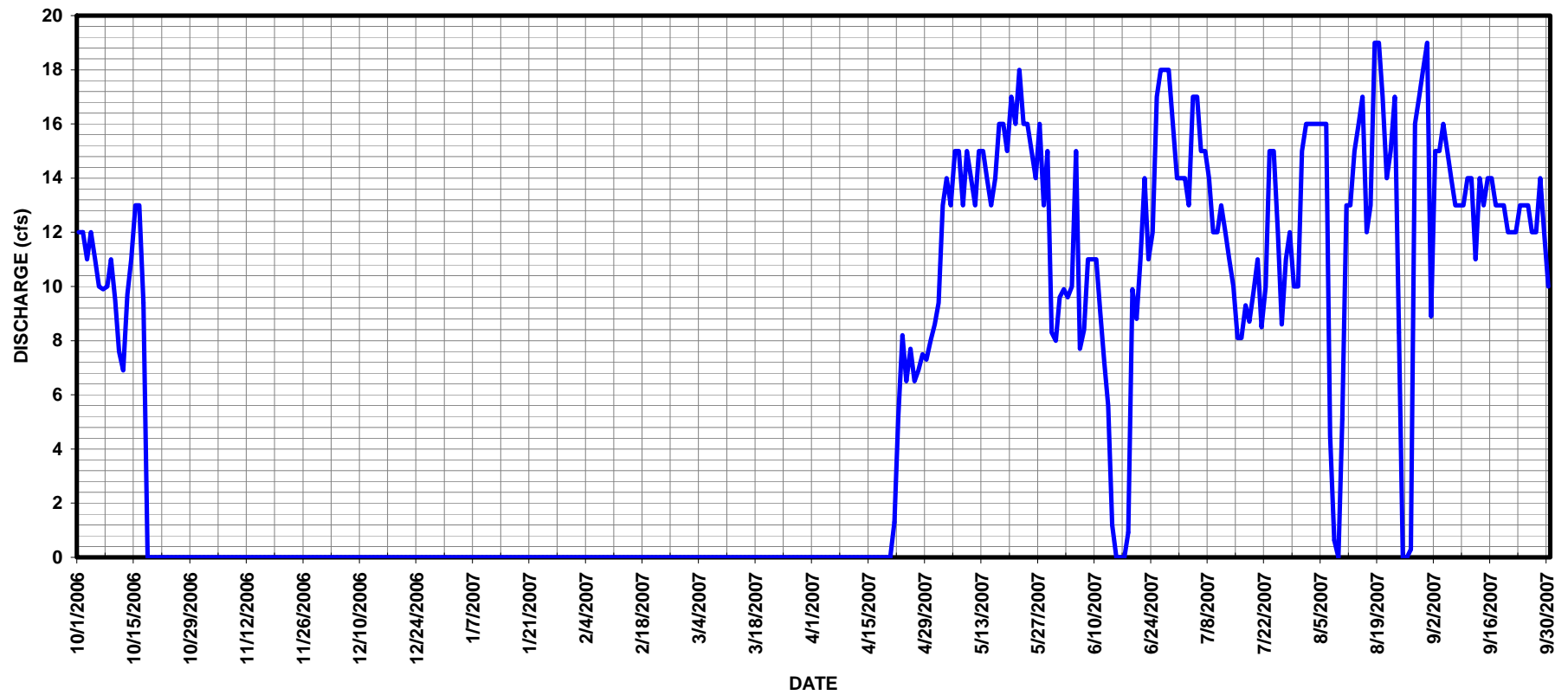
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	0	0	0	0	0	0	8.6	9.6	14	16	8.9
2	12	0	0	0	0	0	0	9.4	9.9	14	16	15
3	11	0	0	0	0	0	0	13	9.6	13	16	15
4	12	0	0	0	0	0	0	14	10	17	16	16
5	11	0	0	0	0	0	0	13	15	17	16	15
6	10	0	0	0	0	0	0	15	7.7	15	16	14
7	9.9	0	0	0	0	0	0	15	8.4	15	4.5	13
8	10	0	0	0	0	0	0	13	11	14	.63	13
9	11	0	0	0	0	0	0	15	11	12	0	13
10	9.5	0	0	0	0	0	0	14	11	12	5.1	14
11	7.6	0	0	0	0	0	0	13	9.1	13	13	14
12	6.9	0	0	0	0	0	0	15	7.2	12	13	11
13	9.7	0	0	0	0	0	0	15	5.6	11	15	14
14	11	0	0	0	0	0	0	14	1.2	10	16	13
15	13	0	0	0	0	0	0	13	0	8.1	17	14
16	13	0	0	0	0	0	0	14	0	8.1	12	14
17	9.4	0	0	0	0	0	0	16	0	9.3	13	13
18	0	0	0	0	0	0	0	16	.92	8.7	19	13
19	0	0	0	0	0	0	0	15	9.9	9.8	19	13
20	0	0	0	0	0	0	0	17	8.8	11	17	12
21	0	0	0	0	0	0	1.3	16	11	8.5	14	12
22	0	0	0	0	0	0	5.2	18	14	10	15	12
23	0	0	0	0	0	0	8.2	16	11	15	17	13
24	0	0	0	0	0	0	6.5	16	12	15	8.3	13
25	0	0	0	0	0	0	7.7	15	17	12	0	13
26	0	0	0	0	0	0	6.5	14	18	8.6	0	12
27	0	0	0	0	0	0	6.9	16	18	11	.30	12
28	0	0	0	0	0	0	7.5	13	18	12	16	14
29	0	0	0	0	---	0	7.3	15	16	10	17	12
30	0	0	0	0	---	0	8.0	8.3	14	10	18	10
31	0	---	0	0	---	0	---	8.0	---	15	19	---
TOTAL	179.0	0	0	0	0	0	65.1	433.3	294.92	371.1	384.83	390.9
MEAN	5.77	0	0	0	0	0	2.17	14.0	9.83	12.0	12.4	13.0
AC-FT	355	0	0	0	0	0	129	859	585	736	763	775
MAX	13	0	0	0	0	0	8.2	18	18	17	19	16
MIN	0	0	0	0	0	0	0	8.0	0	8.1	0	8.9

CAL YR	2006	TOTAL	2230	MEAN	6.10	MAX	21	MIN	0	AC-FT	4420
WTR YR	2007	TOTAL	2119	MEAN	5.81	MAX	19	MIN	0	AC-FT	4200

MAX DISCH: 26 CFS AT 01:15 ON Jul. 28, 2007 GH 1.28 FT. SHIFT 0.08 FT.
MAX GH: 1.28 FT. AT 01:15 ON Jul. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07082500 LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SatLink Logger) and shaft encoder in 42-inch diameter corrugated metal pipe (CMP) shelter and concrete well. Shaft encoder and chart set to inside electric tape gage mounted on instrument shelf. Satellite data are primary record (graphic chart record is used for back-up purposes). Outside staff gage also used for reference purpose. Shelter is equipped with AC power for well heater. As of June 28, 2007, the A-35 chart recorder was replaced by an SDR. Control is a concrete weir with ogee lip, tapered lower from the left to right bank, located at the gage. Elevation of gage is 9,720 ft. from topographic map.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LFCBSLC004A USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

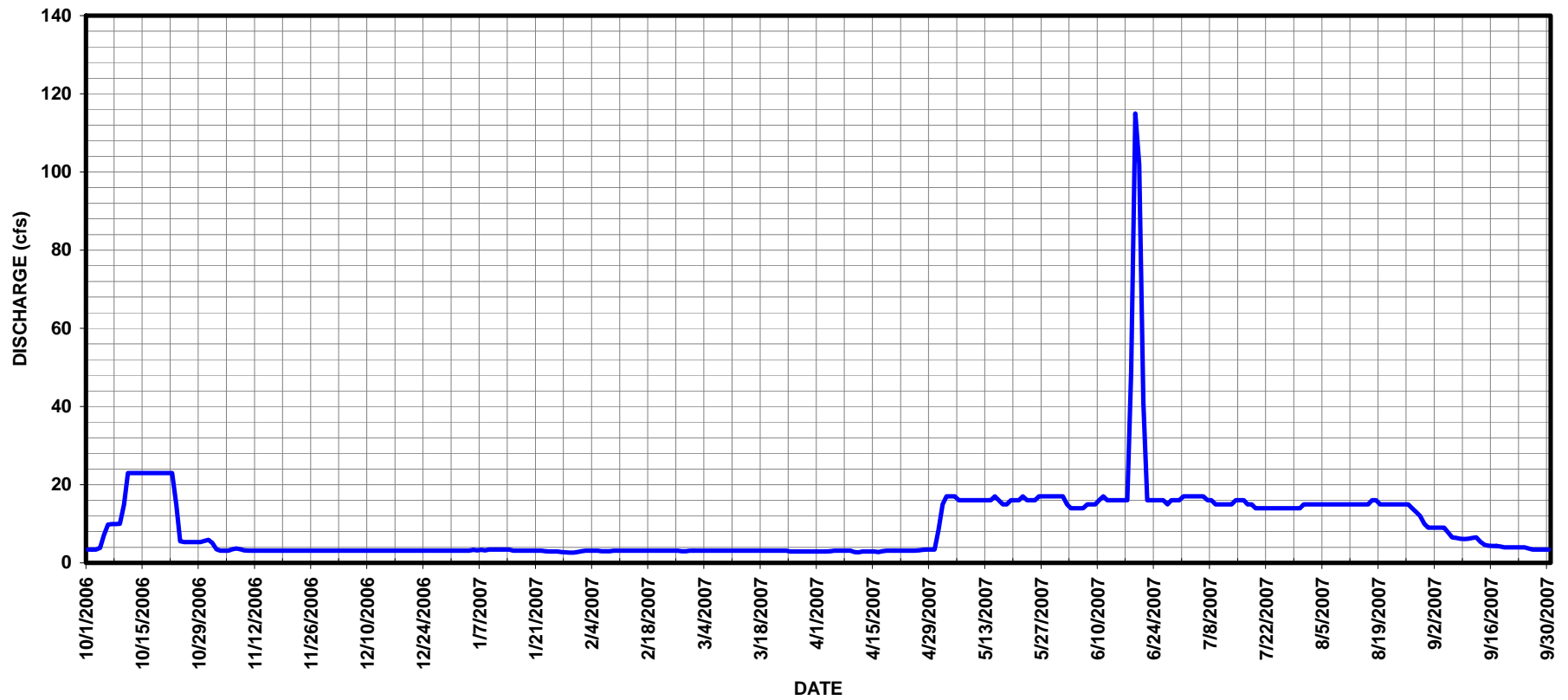
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	5.1	3.1	3.1	3.0	3.1	2.9	8.4	17	17	15	9.0
2	3.4	3.5	3.1	3.1	3.1	3.1	2.9	15	15	17	15	9.0
3	3.4	3.1	3.1	3.1	3.1	3.1	2.9	17	14	17	15	9.0
4	3.8	3.1	3.1	3.1	3.1	3.1	3.0	17	14	17	15	9.0
5	7.0	3.1	3.1	3.3	3.1	3.1	3.1	17	14	17	15	7.7
6	9.8	3.5	3.1	3.2	3.0	3.1	3.1	16	14	17	15	6.5
7	9.9	3.7	3.1	3.3	3.0	3.1	3.1	16	15	16	15	6.4
8	9.9	3.5	3.1	3.2	3.0	3.1	3.1	16	15	16	15	6.2
9	10	3.2	3.1	3.4	3.1	3.1	3.1	16	15	15	15	6.1
10	15	3.1	3.1	3.4	3.1	3.1	2.8	16	16	15	15	6.2
11	23	3.1	3.1	3.4	3.1	3.1	2.7	16	17	15	15	6.4
12	23	3.1	3.1	3.4	3.1	3.1	2.9	16	16	15	15	6.5
13	23	3.1	3.1	3.4	3.1	3.1	2.9	16	16	15	15	5.4
14	23	3.1	3.1	3.4	3.1	3.1	2.9	16	16	16	15	4.6
15	23	3.1	3.1	3.1	3.1	3.1	2.9	17	16	16	15	4.4
16	23	3.1	3.1	3.1	3.1	3.1	2.8	16	16	16	15	4.3
17	23	3.1	3.1	3.1	3.1	3.1	3.0	15	16	15	16	4.3
18	23	3.1	3.1	3.1	3.1	3.1	3.1	15	49	15	16	4.2
19	23	3.1	3.1	3.1	3.1	3.1	3.1	16	115	14	15	4.0
20	23	3.1	3.1	3.1	3.1	3.1	3.1	16	102	14	15	4.0
21	23	3.1	3.1	3.1	3.1	3.1	3.1	16	41	14	15	4.0
22	23	3.1	3.1	3.1	3.1	3.1	3.1	17	16	14	15	4.0
23	15	3.1	3.1	3.0	3.1	3.1	3.1	16	16	14	15	4.0
24	5.5	3.1	3.1	2.9	3.1	3.1	3.1	16	16	14	15	4.0
25	5.3	3.1	3.1	2.9	3.1	2.9	3.1	16	16	14	15	3.7
26	5.3	3.1	3.1	2.9	3.0	2.9	3.2	17	16	14	15	3.4
27	5.3	3.1	3.1	2.8	3.0	2.9	3.3	17	15	14	14	3.4
28	5.3	3.1	3.1	2.7	3.1	2.9	3.4	17	16	14	13	3.4
29	5.3	3.1	3.1	2.6	---	2.9	3.4	17	16	14	12	3.4
30	5.6	3.1	3.1	2.6	---	2.9	3.4	17	16	14	10	3.4
31	5.9	---	3.1	2.8	---	2.9	---	17	---	15	9.0	---
TOTAL	410.1	96.9	96.1	95.8	86.2	94.7	91.6	496.4	712	470	450.0	159.9
MEAN	13.2	3.23	3.10	3.09	3.08	3.05	3.05	16.0	23.7	15.2	14.5	5.33
AC-FT	813	192	191	190	171	188	182	985	1410	932	893	317
MAX	23	5.1	3.1	3.4	3.1	3.1	3.4	17	115	17	16	9.0
MIN	3.4	3.1	3.1	2.6	3.0	2.9	2.7	8.4	14	14	9.0	3.4

CAL YR	2006	TOTAL	5491.1	MEAN	15.0	MAX	410	MIN	2.9	AC-FT	10890
WTR YR	2007	TOTAL	3259.7	MEAN	8.93	MAX	115	MIN	2.6	AC-FT	6470

MAX DISCH: 129 CFS AT 10:00 ON Jun. 19, 2007 GH 1.15 FT. SHIFT 0.11 FT.
MAX GH: 1.15 FT. AT 10:00 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07082500 LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO

LOCATION.--Lat 39°03'47", long 106°24'28", Lake County, Hydrologic Unit 11020001, on left bank 1.35 mi upstream from water line of Twin Lakes Reservoir at elevation 9,200 ft and 2.1 mi southwest of village of Twin Lakes.

DRAINAGE AREA AND PERIOD OF RECORD.--75 mi². April 1946 to Sept. 1962, Oct. 1963 to current year. Monthly data only for some periods.

GAGE.--Satellite-monitored data collection platform (Sat-Link 2) and Accububble in a 4 ft x 4-ft steel shelter on the left bank at a refurbished concrete section and bridge over Lake Creek. DCP data are the primary record. Primary reference gage is a drop wire weight mounted on the pedestrian bridge near the left side. A temperature sensor is operated at the site. The Accububbler line was moved from the middle of the creek to a pool at the left edge, where flow is more laminar, on Sept. 6, 2007. A new Accububbler unit was installed on Sept. 14, 2007, after large drops were noticed in measurements, especially in the morning during low temperatures.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 16-21, 27-30; Dec. 1-7, 2006; Mar. 23; Apr. 12-14, 2007, when ice affected the stage discharge relationship; Dec. 8, 2006 to Mar. 21, 2007, when the station was closed for the winter. Record is good from Oct. 1, 2006, until Nov. 15, 2006. Record is poor from Nov. 16, 2006 to March 21, 2007, due to ice effect and due to closing gage for winter operation from Dec. 8, 2006, until Mar. 20, 2007. Record is fair from Mar. 22 to Sept. 14, 2007. Accububbler problems caused pressure drops at times, especially during Sept. 2007. These spurious data were filtered out resulting in numerous hourly estimates on affected days. Hourly estimates were made based on surrounding good data. Record is good from Sept. 15, 2007, through the end of the water year. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LAKATLCO22 USED FROM 01-OCT-2006 TO 20-MAR-2007
LAKATLCO23 USED FROM 21-MAR-2007 TO 30-SEP-2007

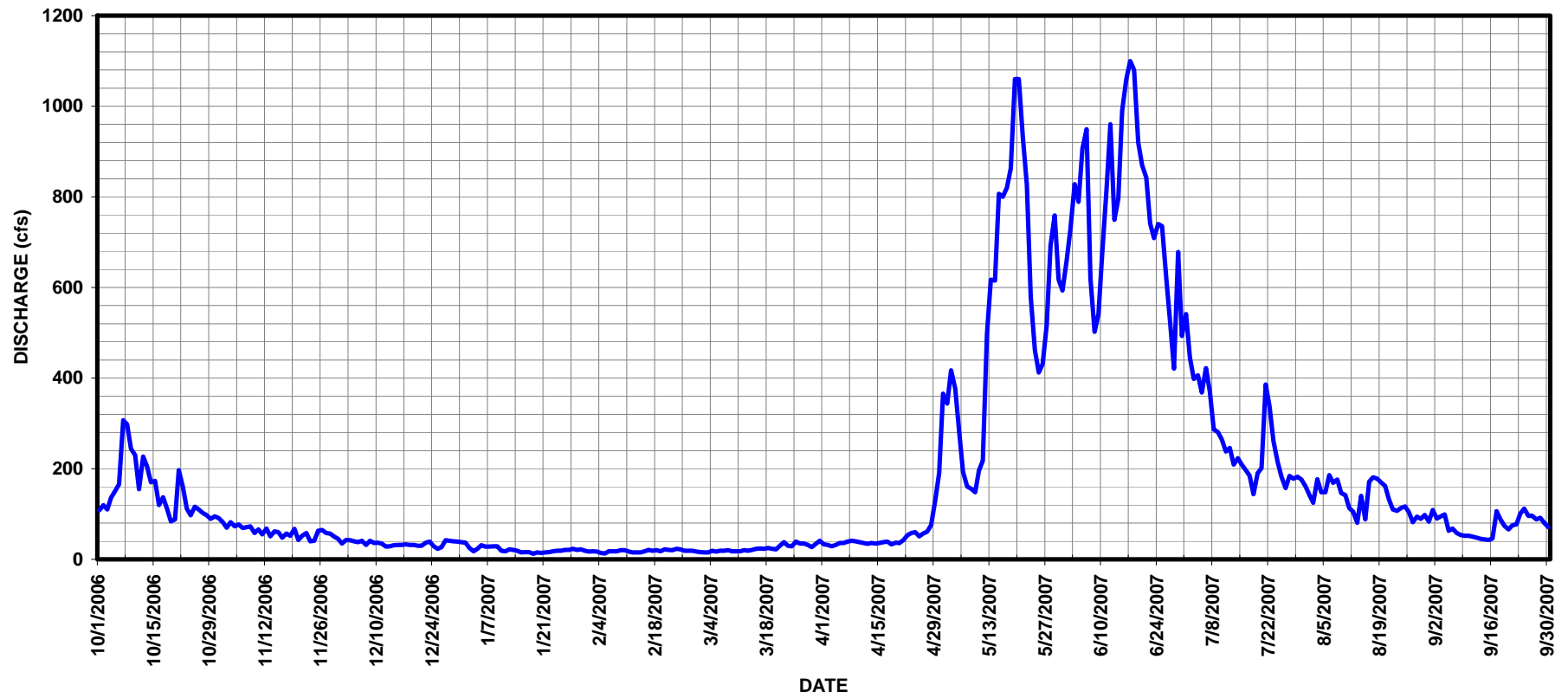
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	82	35	37	17	16	33	366	659	541	142	109
2	119	70	43	25	18	15	32	344	730	445	125	90
3	110	82	42	18	17	15	29	417	828	398	177	95
4	136	73	40	23	14	19	32	377	789	406	148	99
5	151	77	38	31	13	17	36	283	906	368	148	63
6	166	69	41	28	18	19	36	193	949	422	186	68
7	307	71	32	28	18	19	39	161	620	370	169	58
8	298	73	41	29	18	20	41	156	502	287	176	54
9	244	58	36	29	20	18	40	148	541	281	146	52
10	230	66	37	19	20	18	38	196	680	265	142	52
11	155	55	35	18	17	18	36	218	816	238	113	50
12	227	68	28	22	15	20	34	497	960	246	105	48
13	205	51	29	21	15	19	36	617	749	209	81	45
14	170	62	31	19	15	21	35	615	796	223	140	44
15	173	60	32	15	18	23	36	807	991	209	88	43
16	120	48	32	16	21	24	38	800	1060	197	171	46
17	137	57	33	16	19	23	39	820	1100	185	181	106
18	112	52	32	12	20	25	33	863	1080	144	178	88
19	84	67	32	15	18	23	37	1060	920	190	170	74
20	88	43	30	14	22	22	36	1060	870	201	162	66
21	197	52	30	15	21	30	42	935	843	386	132	75
22	159	58	37	16	20	38	53	826	741	337	110	77
23	112	40	39	18	23	30	58	579	709	261	107	101
24	97	41	29	19	22	29	60	462	740	215	113	112
25	116	63	23	19	19	39	51	412	735	182	117	96
26	110	65	27	21	19	35	57	431	622	157	104	96
27	102	58	42	21	19	35	61	516	524	184	82	88
28	97	57	41	23	17	32	76	693	421	178	94	92
29	89	50	40	21	---	27	131	759	678	182	89	81
30	95	45	39	22	---	34	191	618	493	176	98	71
31	91	---	38	19	---	41	---	593	---	161	83	---
TOTAL	4605	1813	1084	649	513	764	1496	16822	23052	8244	4077	2239
MEAN	149	60.4	35.0	20.9	18.3	24.6	49.9	543	768	266	132	74.6
AC-FT	9130	3600	2150	1290	1020	1520	2970	33370	45720	16350	8090	4440
MAX	307	82	43	37	23	41	191	1060	1100	541	186	112
MIN	84	40	23	12	13	15	29	148	421	144	81	43
CAL YR 2006	TOTAL	70098	MEAN	192	MAX	1400	MIN	10	AC-FT	139000		
WTR YR 2007	TOTAL	65358	MEAN	179	MAX	1100	MIN	12	AC-FT	129600		

MAX DISCH: 1410 CFS AT 21:00 ON Jun. 17, 2007 GH 5.38 FT. GH CORR. 0.02 FT. SHIFT 0 FT.
MAX GH: 5.40 FT. (GH CORR 0.02 FT. APPLIED) AT 21:00 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on right bank 1.2 miles upstream from confluence of Lake Creek and Arkansas River and 1500 ft downstream of Twin Lakes Dam.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SatLink DCP) and shaft encoder in a concrete shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to an inside electric tape-down mounted on instrument shelf. Outside staff gage installed in flume but generally used as backup to primary reference tape-down gage. On June 27, 2007, the chart recorder was replaced by an SDR. Control is a 30-foot concrete Parshall flume. Elevation of gage is 9,200 ft. above mean sea level.

REMARKS.--Record is complete and reliable for the entire year. The maximum flow that can be safely waded in the flume is about 250 cfs (gage height = 1.61 ft). Flows up to about 400 cfs (gage height = 2.20 ft) can be waded about 150 ft downstream of the flume. There is no bridge at this flume. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD30FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

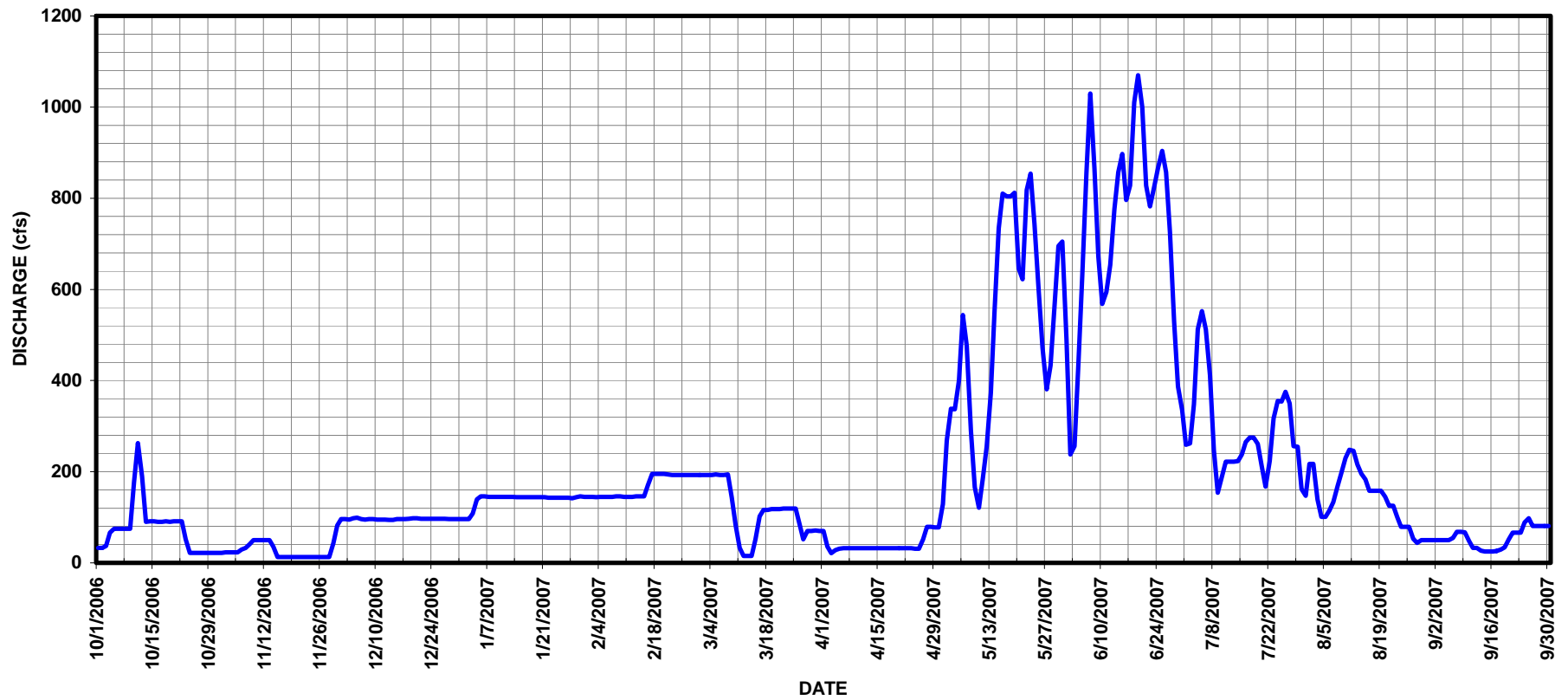
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	22	96	96	145	193	70	129	491	259	217	50
2	33	23	96	96	145	193	36	269	238	262	217	50
3	37	23	95	108	144	193	21	338	256	348	139	50
4	66	23	98	139	145	193	28	337	436	513	101	50
5	75	23	99	146	145	194	31	400	630	552	101	50
6	75	29	96	146	145	193	32	544	855	512	115	55
7	75	33	95	145	145	193	32	476	1030	412	133	68
8	75	41	96	145	146	194	32	291	865	247	167	68
9	75	50	96	145	146	143	32	166	672	154	197	67
10	177	50	95	145	145	82	32	121	568	189	230	48
11	263	50	95	145	145	33	32	185	594	222	248	33
12	190	50	95	145	145	15	32	255	654	222	246	33
13	90	50	94	145	146	15	32	373	776	222	216	27
14	91	35	94	144	146	15	32	554	857	223	196	25
15	91	13	96	144	146	52	32	734	897	238	183	25
16	90	13	96	144	171	102	32	810	796	265	158	25
17	90	13	96	144	195	116	32	804	828	275	158	26
18	91	13	97	144	195	116	32	804	1010	275	158	29
19	90	13	98	144	195	118	32	812	1070	261	158	34
20	91	13	98	144	195	118	32	646	1000	213	145	52
21	91	13	97	144	194	118	32	622	828	167	125	66
22	91	13	97	143	193	119	32	818	782	223	125	66
23	52	13	97	143	193	119	32	854	825	317	101	66
24	22	13	97	143	193	119	31	743	867	355	79	89
25	22	13	97	143	193	119	31	599	904	354	79	98
26	22	13	97	143	193	85	52	472	857	375	79	81
27	22	13	97	143	193	52	79	381	725	350	53	81
28	22	13	96	142	193	70	79	433	529	256	44	81
29	22	43	96	144	---	70	78	560	387	255	50	81
30	22	82	96	146	---	71	78	695	335	162	50	81
31	22	---	96	145	---	70	---	705	---	147	50	---
TOTAL	2308	809	2984	4333	4675	3483	1190	15930	21562	8825	4318	1655
MEAN	74.5	27.0	96.3	140	167	112	39.7	514	719	285	139	55.2
AC-FT	4580	1600	5920	8590	9270	6910	2360	31600	42770	17500	8560	3280
MAX	263	82	99	146	195	194	79	854	1070	552	248	98
MIN	22	13	94	96	144	15	21	121	238	147	44	25

CAL YR	2006	TOTAL	74584	MEAN	204	MAX	1160	MIN	13	AC-FT	147900
WTR YR	2007	TOTAL	72072	MEAN	197	MAX	1070	MIN	13	AC-FT	143000

MAX DISCH: 1090 CFS AT 21:00 ON Jun. 19, 2007 GH 4.11 FT. SHIFT 0 FT.
MAX GH: 4.11 FT. AT 21:00 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LAKE CREEK BELOW TWIN LAKES RESERVOIR CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

LOCATION.--Lat 39°02'34", long 106°15'55", in SE¼SW¼ sec. 31, T.11 S., R.79 W., Chaffee County, Hydrologic Unit 11020001, on right bank at Granite, 100 ft east of U.S. Highway 24, 100 ft downstream from county bridge, and 200 ft upstream from Cache Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--427 mi². Sporadic data from April 1895 to May 1901. Complete data from April 1910 to current year. Monthly data for some periods only.

GAGE.--Graphic water-stage recorder, Sutron SatLink high data rate satellite-monitored data collection platform (DCP) and shaft encoder in a 4 ft x 4 ft steel shelter over a 42-inch diameter corrugated metal pipe (CMP) well. Shaft encoder and chart set to inside electric tape gage. DCP data are primary record (A-35 chart record is used for back-up purposes). Stock tank heater used inside well during periods of freezing weather to keep well open. Cableway approximately 100 feet downstream from gage. Elevation of gage is 8,914.86 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1960.

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 1, 11-16, 19-22, 24, 26-30; Dec. 1-13, 21, 24, 25, 30, 31, 2006; Jan. 1-3, 5, 7-31; Feb. 1-3, 13-15, 18, 22-28; Mar. 1-5, 29, 30; April 11, 12, 14, 2007, when the stage-discharge relationship was affected by ice; and, Dec. 22, 23, 2006; Jan. 6, 2007, when either intakes or float-tapes were frozen. The shelter and well are situated on the right bank in calm water subject to significant shore ice including complete channel and control freeze-over during periods of freezing weather. Record good, except during periods of no gage height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKGRNCO11A USED FROM 01-OCT-2006 TO 30-SEP-2007

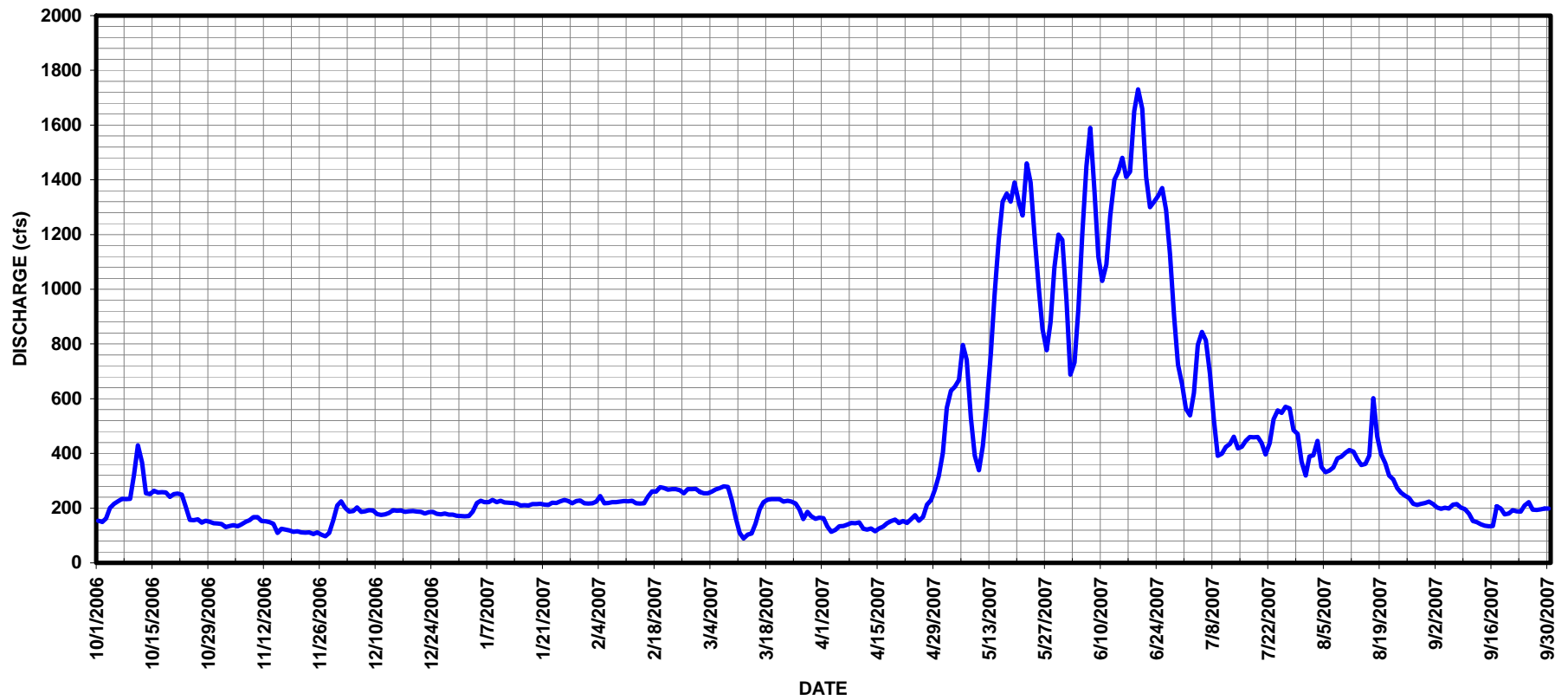
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	142	225	170	217	259	163	403	960	563	389	215
2	150	131	201	171	218	254	133	566	688	539	393	203
3	162	135	187	187	224	254	113	629	733	621	446	198
4	201	138	189	219	244	260	121	643	928	796	351	202
5	216	134	203	227	218	268	134	669	1200	844	331	199
6	225	141	186	222	219	274	135	796	1450	814	337	213
7	234	150	188	222	222	280	140	742	1590	690	349	215
8	233	156	192	230	222	278	146	530	1360	523	382	202
9	234	167	191	222	224	229	145	392	1120	391	388	197
10	322	167	178	227	226	165	148	338	1030	399	402	179
11	430	153	175	221	225	109	125	427	1090	424	412	153
12	367	152	177	220	227	89	122	573	1270	435	406	149
13	254	149	182	219	218	103	126	765	1400	461	379	141
14	251	143	193	217	217	107	115	980	1430	418	358	136
15	263	109	190	210	218	143	126	1180	1480	425	362	134
16	257	125	191	211	242	196	133	1320	1410	446	392	135
17	258	122	186	210	261	222	145	1350	1430	460	602	207
18	257	119	188	215	260	231	153	1320	1650	459	462	199
19	241	113	189	215	277	233	158	1390	1730	460	397	177
20	251	115	187	216	274	233	146	1320	1660	438	365	180
21	253	111	186	213	267	233	153	1270	1410	396	319	193
22	249	110	180	212	269	224	146	1460	1300	438	305	188
23	206	111	185	220	270	227	160	1390	1320	525	274	187
24	157	105	186	219	265	224	174	1200	1340	557	256	210
25	156	111	179	225	254	217	154	1010	1370	548	245	222
26	159	103	177	230	269	195	168	854	1290	570	237	195
27	147	97	180	226	269	160	213	777	1130	564	216	194
28	154	109	176	218	271	186	229	879	901	485	212	196
29	150	157	176	226	---	170	267	1080	724	471	216	199
30	145	210	172	228	---	161	317	1200	651	370	219	199
31	144	---	171	218	---	165	---	1180	---	319	224	---
TOTAL	6880	3985	5766	6686	6787	6349	4708	28633	37045	15849	10626	5617
MEAN	222	133	186	216	242	205	157	924	1235	511	343	187
AC-FT	13650	7900	11440	13260	13460	12590	9340	56790	73480	31440	21080	11140
MAX	430	210	225	230	277	280	317	1460	1730	844	602	222
MIN	144	97	171	170	217	89	113	338	651	319	212	134
CAL YR 2006	TOTAL	145995	MEAN	400	MAX	2010	MIN	97	AC-FT	289600		
WTR YR 2007	TOTAL	138931	MEAN	381	MAX	1730	MIN	89	AC-FT	275600		

MAX DISCH: 1770 CFS AT 02:15 ON Jun. 19, 2007 GH 4.91 FT. SHIFT 0.12 FT.
MAX GH: 4.91 FT. AT 02:15 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07086000 ARKANSAS RIVER AT GRANITE CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

LOCATION.--Lat 39°01'05", long 106°16'38", in SE¼ sec. 12, T,12 S., R.80 W., Chaffee County, Hydrologic Unit 11020001, on right bank 0.5 mi upstream from water line of Clear Creek Reservoir at elevation 8,875 ft, 1.5 mi downstream from unnamed tributary, and 1.9 mi southwest of Granite.

DRAINAGE AREA.--67.1 mi².

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SaltLink Logger DCP) and shaft encoder in a 42-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. DCP data are primary record (graphic chart record is used for back-up purposes). Control is a concrete dam tapered lower towards the center, located approximately 15 feet downstream. An outside staff gage is used as a supplemental reference gage. However, since its installation, it does not agree with the inside tape, most likely due to draw-down.

REMARKS.--Record is complete and reliable, except for the following periods: Oct. 19, 27; Nov. 1, 2, 10, 2006; Mar. 30, 31; Apr. 11, 14, 2007, when the stage-discharge relationship was affected by ice; and, Nov. 11, 2006 to March 18, 2007, when the station was closed for the winter. Record good, except during periods of no gage height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--CCACCRC014 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	38	20	16	7.5	8.5	15	82	199	129	78	53
2	45	36	19	16	7.7	9.0	15	106	221	134	81	49
3	46	37	18	18	8.5	9.0	16	101	247	121	106	47
4	48	36	18	18	9.5	10	17	94	232	115	96	47
5	49	34	18	16	10	11	18	76	253	113	87	47
6	61	34	19	15	10	11	17	66	241	103	123	50
7	89	33	18	15	11	12	18	61	171	92	128	49
8	81	33	18	16	11	12	19	54	159	90	124	46
9	77	32	17	15	11	12	19	51	171	82	104	44
10	73	30	17	15	11	12	20	60	202	79	90	44
11	68	29	17	16	11	13	16	98	229	72	84	42
12	64	29	17	15	11	13	17	144	290	75	82	40
13	62	28	17	14	10	13	18	164	250	71	79	39
14	61	28	18	13	9.5	13	17	162	248	65	78	38
15	62	27	18	11	9.5	13	18	171	280	63	78	37
16	60	27	19	11	10	14	20	209	278	61	90	39
17	60	27	19	10	10	14	22	224	275	60	88	90
18	57	27	18	11	11	14	21	229	265	70	80	93
19	51	26	18	11	11	15	21	274	229	79	75	70
20	53	25	17	11	11	14	21	275	230	119	69	59
21	52	24	17	10	11	15	23	256	224	208	62	53
22	49	24	16	9.0	11	15	22	229	204	138	58	50
23	48	24	16	10	11	15	24	174	192	111	56	55
24	48	23	16	10	10	16	28	144	193	140	54	65
25	47	23	16	10	10	15	25	128	187	115	51	57
26	47	23	17	10	10	16	26	119	170	101	49	52
27	46	22	18	9.0	11	17	28	145	156	105	48	49
28	44	22	18	9.0	10	17	33	185	149	105	50	48
29	42	20	17	9.0	---	16	42	202	139	91	51	49
30	41	19	16	8.5	---	15	58	173	138	85	51	47
31	39	---	16	8.1	---	14	---	175	---	78	52	---
TOTAL	1716	840	543	385.6	285.2	413.5	674	4631	6422	3070	2402	1548
MEAN	55.4	28.0	17.5	12.4	10.2	13.3	22.5	149	214	99.0	77.5	51.6
AC-FT	3400	1670	1080	765	566	820	1340	9190	12740	6090	4760	3070
MAX	89	38	20	18	11	17	58	275	290	208	128	93
MIN	39	19	16	8.1	7.5	8.5	15	51	138	60	48	37

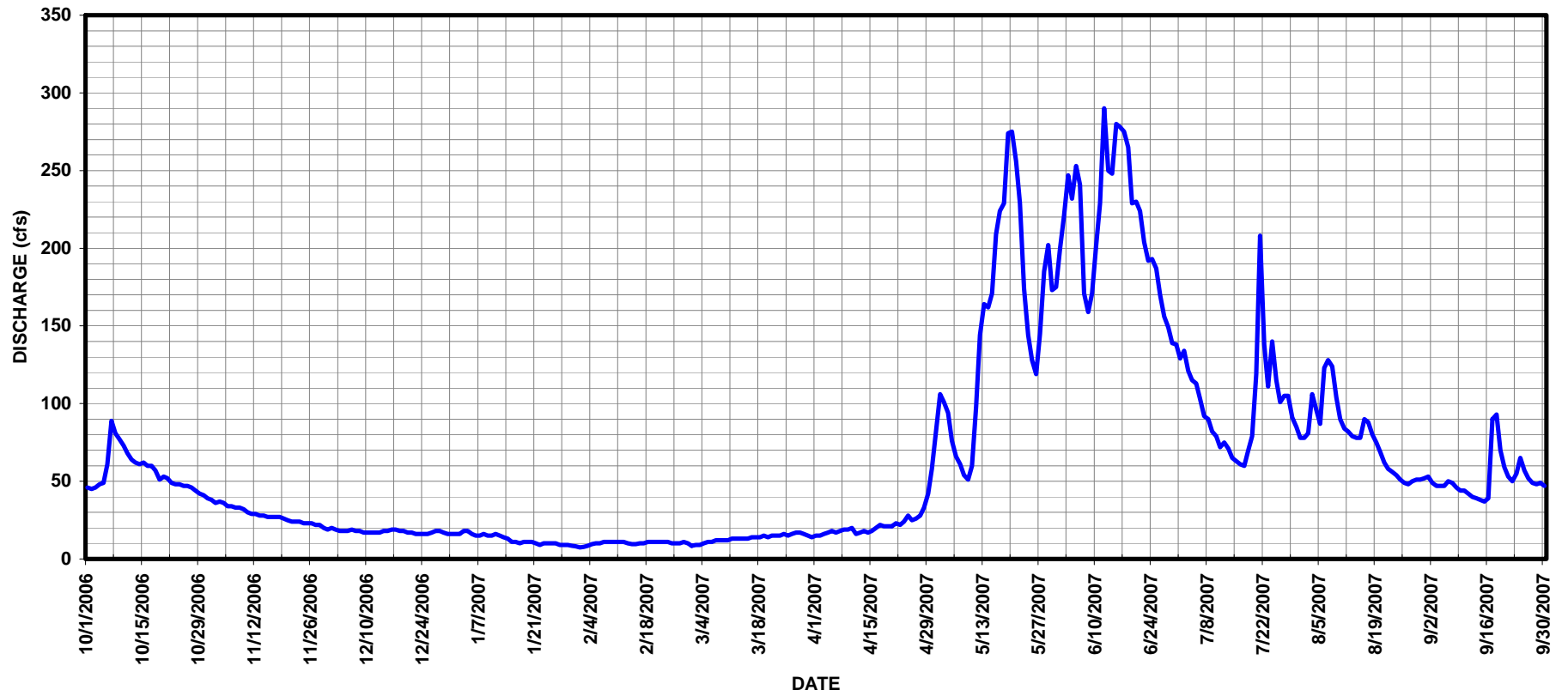
CAL YR	2006	TOTAL	21077.5	MEAN	57.7	MAX	330	MIN	9.0	AC-FT	41810
WTR YR	2007	TOTAL	22930.3	MEAN	62.8	MAX	290	MIN	7.5	AC-FT	45480

MAX DISCH: 364 CFS AT 23:15 ON Jun. 15, 2007 GH 4.23 FT. SHIFT 0.11 FT.

MAX GH: 4.23 FT. AT 23:15 ON Jun. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO

LOCATION.--Lat 39°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A.

GAGE.--Float activated graphic water-stage recorder and shaft encoder and Sutron Satlink 2 DCP in a metal-sided wood frame shelter and concrete well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. Outside gage used as supplemental reference. Outside gage reads 0.01 ft low. DCP data are primary record (graphic chart record is used for back-up purposes). Control is a 20-ft. wide, compound, thin plate weir located at the gage.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--CCBCCRCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

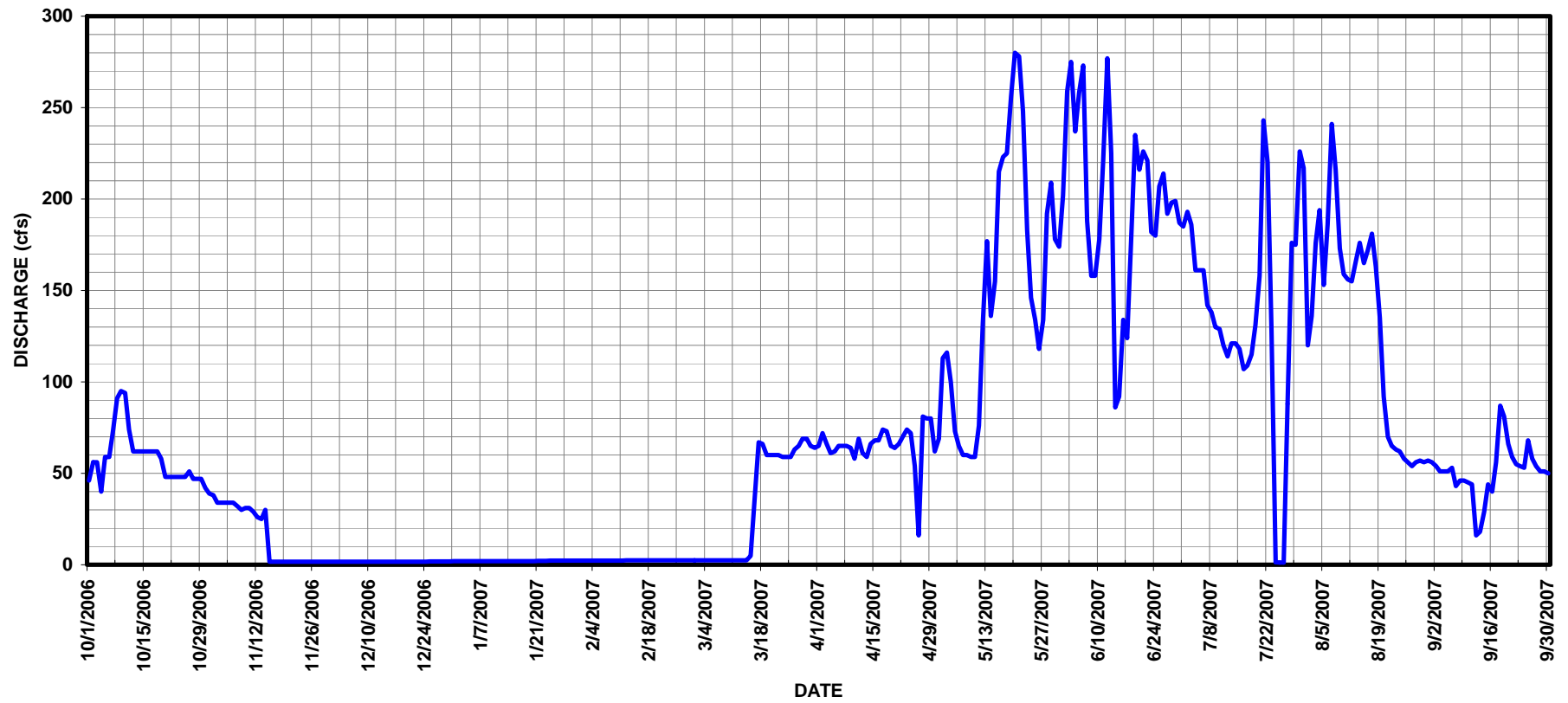
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	38	1.6	2.0	2.2	2.4	65	69	202	185	120	56
2	56	34	1.6	2.0	2.2	2.4	72	113	259	193	136	54
3	56	34	1.6	1.9	2.2	2.4	66	116	275	186	176	51
4	40	34	1.6	2.0	2.2	2.4	61	100	237	161	194	51
5	59	34	1.7	2.0	2.2	2.5	62	73	258	161	153	51
6	59	34	1.7	2.0	2.2	2.5	65	65	273	161	186	53
7	73	32	1.7	2.0	2.2	2.5	65	60	188	142	241	43
8	91	30	1.6	2.0	2.2	2.5	65	60	158	138	216	46
9	95	31	1.6	2.0	2.2	2.5	64	59	158	130	173	46
10	94	31	1.6	2.0	2.2	2.5	58	59	178	129	159	45
11	74	29	1.6	2.0	2.2	2.5	69	76	221	120	156	44
12	62	26	1.6	2.0	2.4	2.5	61	132	277	114	155	16
13	62	25	1.6	2.0	2.4	2.5	59	177	225	121	166	18
14	62	30	1.7	2.0	2.4	2.5	66	136	86	121	176	29
15	62	1.7	1.7	2.0	2.4	4.9	68	155	92	118	165	44
16	62	1.6	1.7	2.0	2.4	35	68	215	134	107	172	40
17	62	1.6	1.7	2.0	2.4	67	74	223	124	109	181	56
18	62	1.6	1.7	2.0	2.4	66	73	225	180	115	163	87
19	58	1.6	1.7	2.0	2.4	60	65	256	235	131	135	81
20	48	1.6	1.7	2.0	2.4	60	64	280	216	158	92	66
21	48	1.6	1.7	2.1	2.4	60	66	278	226	243	70	59
22	48	1.6	1.7	2.1	2.4	60	70	248	221	220	65	55
23	48	1.6	1.7	2.1	2.4	59	74	183	182	128	63	54
24	48	1.6	1.7	2.2	2.4	59	72	146	180	1.3	62	53
25	48	1.6	1.8	2.2	2.4	59	54	134	207	1.2	58	68
26	51	1.6	1.8	2.2	2.4	63	16	118	214	1.2	56	58
27	47	1.6	1.8	2.2	2.4	65	81	134	192	88	54	54
28	47	1.6	1.8	2.2	2.4	69	80	192	198	176	56	51
29	47	1.6	1.8	2.2	---	69	80	209	199	175	57	51
30	42	1.6	1.8	2.2	---	65	62	178	187	226	56	50
31	39	---	1.9	2.2	---	64	---	174	---	217	57	---
TOTAL	1796	467.7	52.5	63.8	65.0	1019.5	1965	4643	5982	4276.7	3969	1530
MEAN	57.9	15.6	1.69	2.06	2.32	32.9	65.5	150	199	138	128	51.0
AC-FT	3560	928	104	127	129	2020	3900	9210	11870	8480	7870	3030
MAX	95	38	1.9	2.2	2.4	69	81	280	277	243	241	87
MIN	39	1.6	1.6	1.9	2.2	2.4	16	59	86	1.2	54	16

CAL YR 2006	TOTAL	20740.4	MEAN	56.8	MAX	343	MIN	1.6	AC-FT	41140
WTR YR 2007	TOTAL	25830.2	MEAN	70.8	MAX	280	MIN	1.2	AC-FT	51230

MAX DISCH: 355 CFS AT 11:00 ON Oct. 26, 2006 GH 3.05 FT. SHIFT 0.03 FT.
MAX GH: 3.05 FT. AT 11:00 ON Oct. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR NEAR GRANITE CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07089520 COTTONWOOD CREEK AT BUENA VISTA, CO

LOCATION.--Lat 38°50'08", long 106°07'17", in NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink HDR DCP) and shaft encoder in a 42-inch corrugated metal pipe shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. Outside staff gage used for supplemental reference. Satellite-monitored data are the primary record (graphic chart record is used for back-up purposes). Datum of gage 7930 ft. from topographic map.

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 13-15, 27, 30; Dec. 1-9, 12, 18-27, 31, 2006; Jan. 1-4, 6-10, 13-31; Feb. 1-5, 14-18, 24-27; Mar. 1-4; Apr. 14, 2007, when ice affected the stage-discharge relationship. Record good, except during periods of ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COCRBVCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

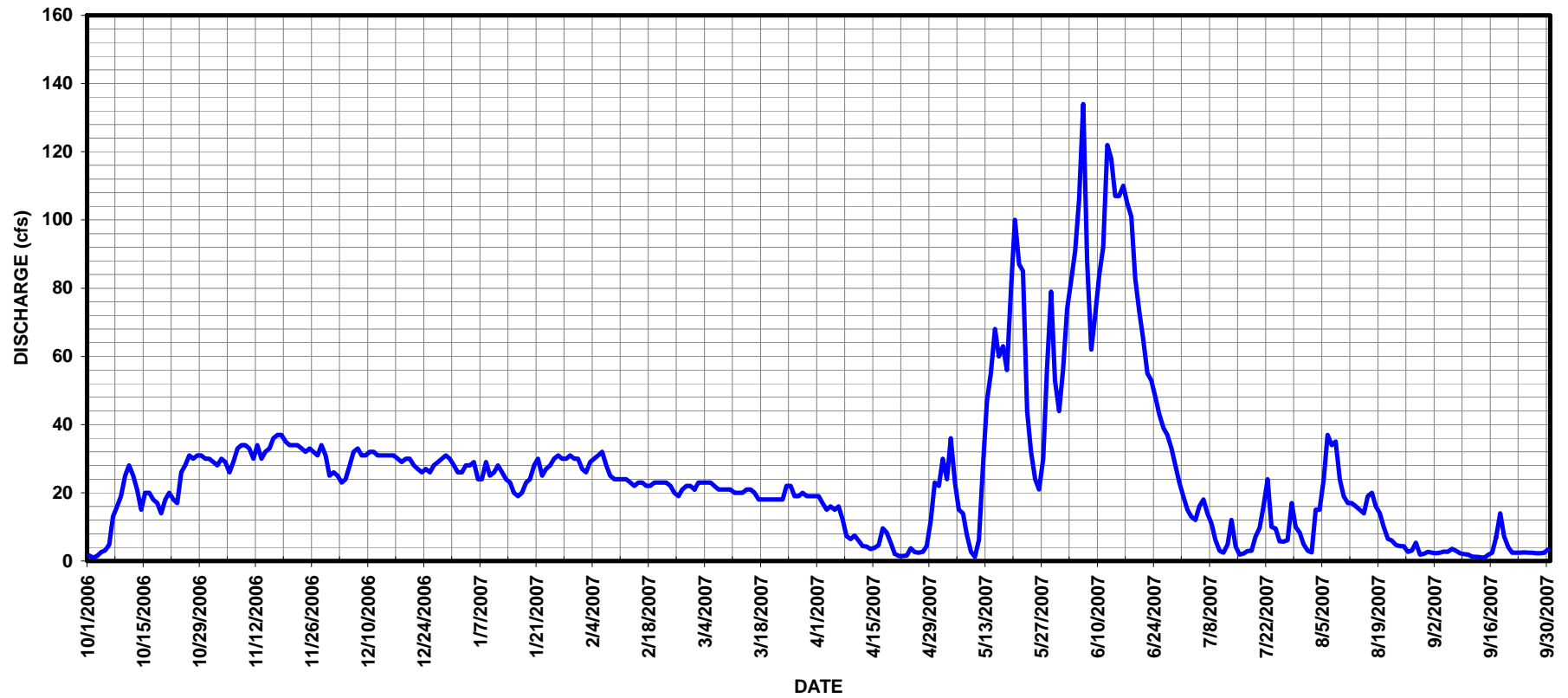
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	29	26	26	27	21	19	22	56	19	3.0	2.4
2	.98	28	25	26	26	23	17	30	74	15	2.5	2.3
3	1.5	30	23	28	29	23	15	24	82	13	15	2.4
4	2.6	29	24	28	30	23	16	36	91	12	15	2.8
5	3.1	26	28	29	31	23	15	23	106	16	24	2.7
6	4.8	29	32	24	32	22	16	15	134	18	37	3.6
7	13	33	33	24	28	21	12	14	88	14	34	3.0
8	16	34	31	29	25	21	7.3	7.6	62	11	35	2.3
9	19	34	31	25	24	21	6.4	2.7	72	6.2	24	2.0
10	25	33	32	26	24	21	7.5	1.2	84	3.0	19	1.9
11	28	30	32	28	24	20	5.9	6.2	92	2.4	17	1.3
12	25	34	31	26	24	20	4.4	27	122	4.8	17	1.2
13	21	30	31	24	23	20	4.2	47	118	12	16	1.1
14	15	32	31	23	22	21	3.5	55	107	4.3	15	.89
15	20	33	31	20	23	21	3.9	68	107	1.9	14	1.8
16	20	36	31	19	23	20	4.6	60	110	2.2	19	2.4
17	18	37	30	20	22	18	9.6	63	105	2.9	20	6.9
18	17	37	29	23	22	18	8.4	56	101	3.0	16	14
19	14	35	30	24	23	18	5.3	80	83	7.1	14	7.2
20	18	34	30	28	23	18	2.1	100	73	9.7	10	4.1
21	20	34	28	30	23	18	1.5	87	65	16	6.5	2.4
22	18	34	27	25	23	18	1.5	85	55	24	6.0	2.4
23	17	33	26	27	22	18	1.6	44	53	10	4.7	2.4
24	26	32	27	28	20	22	3.7	32	48	9.5	4.4	2.5
25	28	33	26	30	19	22	2.6	24	43	5.8	4.3	2.4
26	31	32	28	31	21	19	2.4	21	39	5.7	2.7	2.4
27	30	31	29	30	22	19	2.7	30	37	6.1	3.1	2.3
28	31	34	30	30	22	20	4.4	56	33	17	5.4	2.3
29	31	31	31	31	---	19	12	79	28	10	1.9	2.4
30	30	25	30	30	---	19	23	53	23	8.3	2.1	3.4
31	30	---	28	30	---	19	---	44	---	4.9	2.7	---
TOTAL	575.58	962	901	822	677	626	238.5	1292.7	2291	294.8	410.3	91.19
MEAN	18.6	32.1	29.1	26.5	24.2	20.2	7.95	41.7	76.4	9.51	13.2	3.04
AC-FT	1140	1910	1790	1630	1340	1240	473	2560	4540	585	814	181
MAX	31	37	33	31	32	23	23	100	134	24	37	14
MIN	.98	25	23	19	19	18	1.5	1.2	23	1.9	1.9	.89

CAL YR	2006	TOTAL	8128.36	MEAN	22.3	MAX	110	MIN	.44	AC-FT	16120
WTR YR	2007	TOTAL	9182.07	MEAN	25.2	MAX	134	MIN	.89	AC-FT	18210

MAX DISCH: 165 CFS AT 04:00 ON Jun. 6, 2007 GH 3.24 FT. SHIFT 0.05 FT.
MAX GH: 3.24 FT. AT 04:00 ON Jun. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07089520 COTTONWOOD CREEK AT BUENA VISTA CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07091000 CHALK CREEK AT NATHROP, CO

LOCATION.--Lat 38°44'30", long 106°04'57", in SW¼SE¼NE¼SW¼ sec. 14, T.15 S., R.78 W., Chaffee County, on left bank, 640' north of the Junction of Co. Hwy. 162 and U.S. 285 on the frontage rd. parallel to U.S. 285, ¼ mi. south of Nathrop, Co., and 1 mi. west of the confluence of Chalk Creek and the Arkansas River.

DRAINAGE AREA.--N\A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink Logger HDR DCP) and shaft encoder in 32-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. DCP data are primary record (graphic chart record is used for back-up purposes). Outside staff gage also used for reference purpose. Station also equipped with tipping bucket rain gage. Control is a concrete dam, tapered lower towards the center, located approximately 5 feet downstream. Elevation of gage 7680 ft. (from topographic map).

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 30; Dec. 3, 22, 25, 2006; Jan. 2, 6, 7, 13-19, 22; Feb. 1, 2; Mar. 3, 2007, when ice affected the stage-discharge relationship. Record good, except during periods of ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--CHCRNACO07 USED FROM 01-OCT-2006 TO 30-SEP-2007

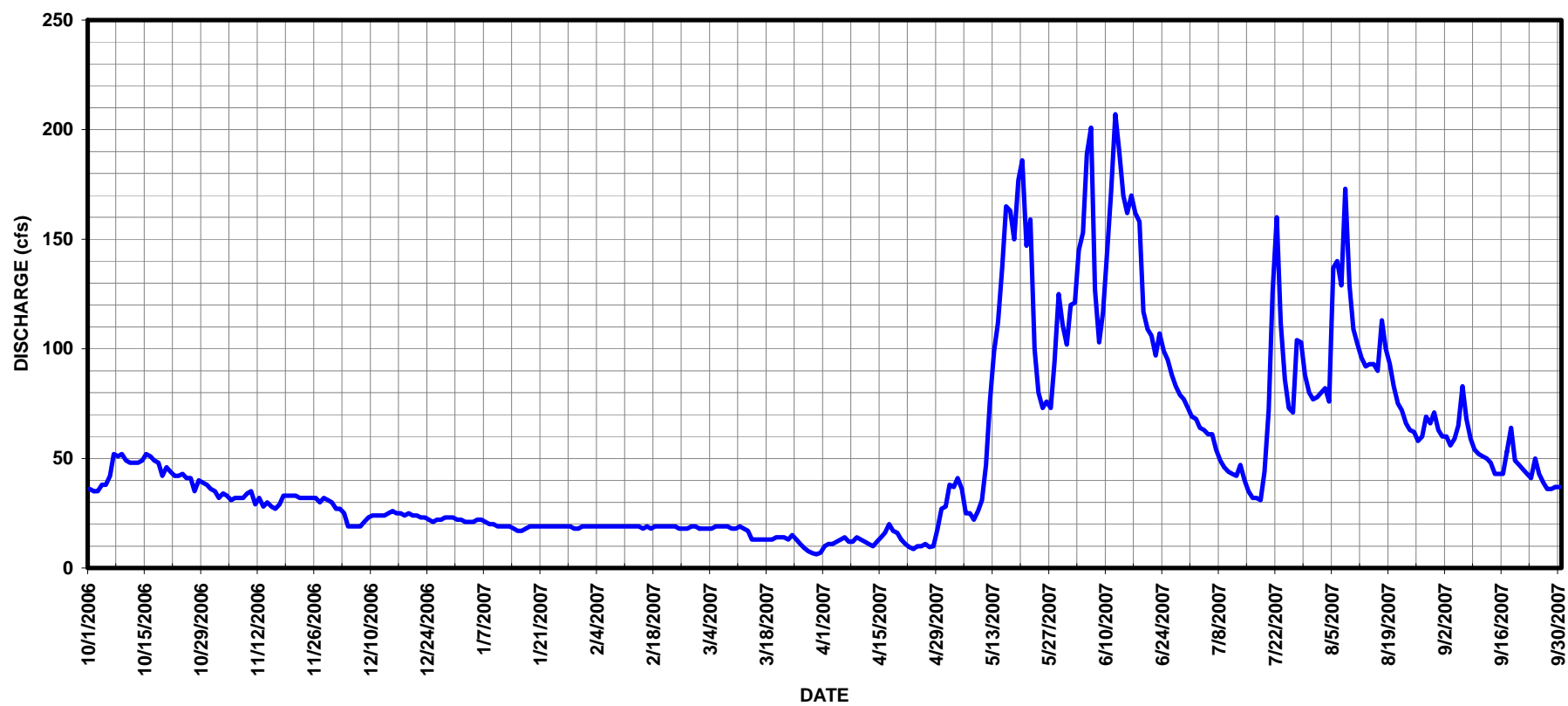
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	35	27	22	19	18	10	28	120	69	78	60
2	35	32	27	21	19	18	11	38	121	68	80	60
3	35	34	25	21	19	18	11	37	145	64	82	56
4	38	33	19	21	19	18	12	41	153	63	76	59
5	38	31	19	22	19	19	13	36	189	61	137	65
6	42	32	19	22	19	19	14	25	201	61	140	83
7	52	32	19	21	19	19	12	25	127	54	129	68
8	51	32	21	20	19	19	12	22	103	49	173	59
9	52	34	23	20	19	18	14	26	117	46	129	54
10	49	35	24	19	19	18	13	31	145	44	109	52
11	48	29	24	19	19	19	12	47	172	43	102	51
12	48	32	24	19	19	18	11	76	207	42	96	50
13	48	28	24	19	19	17	10	99	190	47	92	48
14	49	30	25	18	19	13	12	112	170	40	93	43
15	52	28	26	17	18	13	14	137	162	35	93	43
16	51	27	25	17	19	13	16	165	170	32	90	43
17	49	29	25	18	18	13	20	163	162	32	113	53
18	48	33	24	19	19	13	17	150	158	31	100	64
19	42	33	25	19	19	13	16	177	117	44	93	49
20	46	33	24	19	19	14	13	186	109	72	83	47
21	44	33	24	19	19	14	11	147	106	126	75	45
22	42	32	23	19	19	14	9.6	159	97	160	72	43
23	42	32	23	19	19	13	8.7	100	107	112	66	41
24	43	32	22	19	18	15	10	80	99	86	63	50
25	41	32	21	19	18	13	10	73	95	73	62	43
26	41	32	22	19	18	11	11	76	88	71	58	39
27	35	30	22	19	19	9.1	9.6	73	83	104	60	36
28	40	32	23	19	19	7.6	10	94	79	103	69	36
29	39	31	23	18	---	6.8	18	125	77	88	66	37
30	38	30	23	18	---	6.2	27	111	73	80	71	37
31	36	---	22	19	---	7.0	---	102	---	77	63	---
TOTAL	1350	948	717	600	527	446.7	387.9	2761	3942	2077	2813	1514
MEAN	43.5	31.6	23.1	19.4	18.8	14.4	12.9	89.1	131	67.0	90.7	50.5
AC-FT	2680	1880	1420	1190	1050	886	769	5480	7820	4120	5580	3000
MAX	52	35	27	22	19	19	27	186	207	160	173	83
MIN	35	27	19	17	18	6.2	8.7	22	73	31	58	36
CAL YR 2006	TOTAL	13438.7	MEAN	36.8	MAX	185	MIN	1.4	AC-FT	26700		
WTR YR 2007	TOTAL	18083.6	MEAN	49.5	MAX	207	MIN	6.2	AC-FT	35870		

MAX DISCH: 249 CFS AT 02:15 ON Jun. 6, 2007 GH 4.39 FT. SHIFT 0.01 FT.
MAX GH: 4.39 FT. AT 02:15 ON Jun. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07091000 CHALK CREEK AT NATHROP CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron Model 8210 DCP with high data rate transmitter) and shaft encoder in a 4'x 4' steel shelter placed over a stilling well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf (augmented by an outside staff gage). Outside gage is set 0.01 ft low. DCP log data are primary record (satellite data and A-35 chart used for back-up purposes). As of Mar. 10, 2007, old headwall was removed and on Mar. 16, 2007, new headwall was completed. No new outside staff gage has been installed as of yet. Cableway approximately 35 feet downstream from gage. Sutron 8210 DCP failed and was replaced with Satlink2 on Sept. 20, 2007. Datum of gage is 7,050.45 ft.

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 30; Dec. 4-18, 2006; Jan. 14-17, 20-28; Feb. 6, 10-13, 16-21, 23-26, 2007, when gage height was affected by ice on the control; and, Mar. 12-16, 2007, while the new headwall was being constructed. Record good, except for those periods of ice affected record, and the period of missing record during headwall construction, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKSALCO29 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

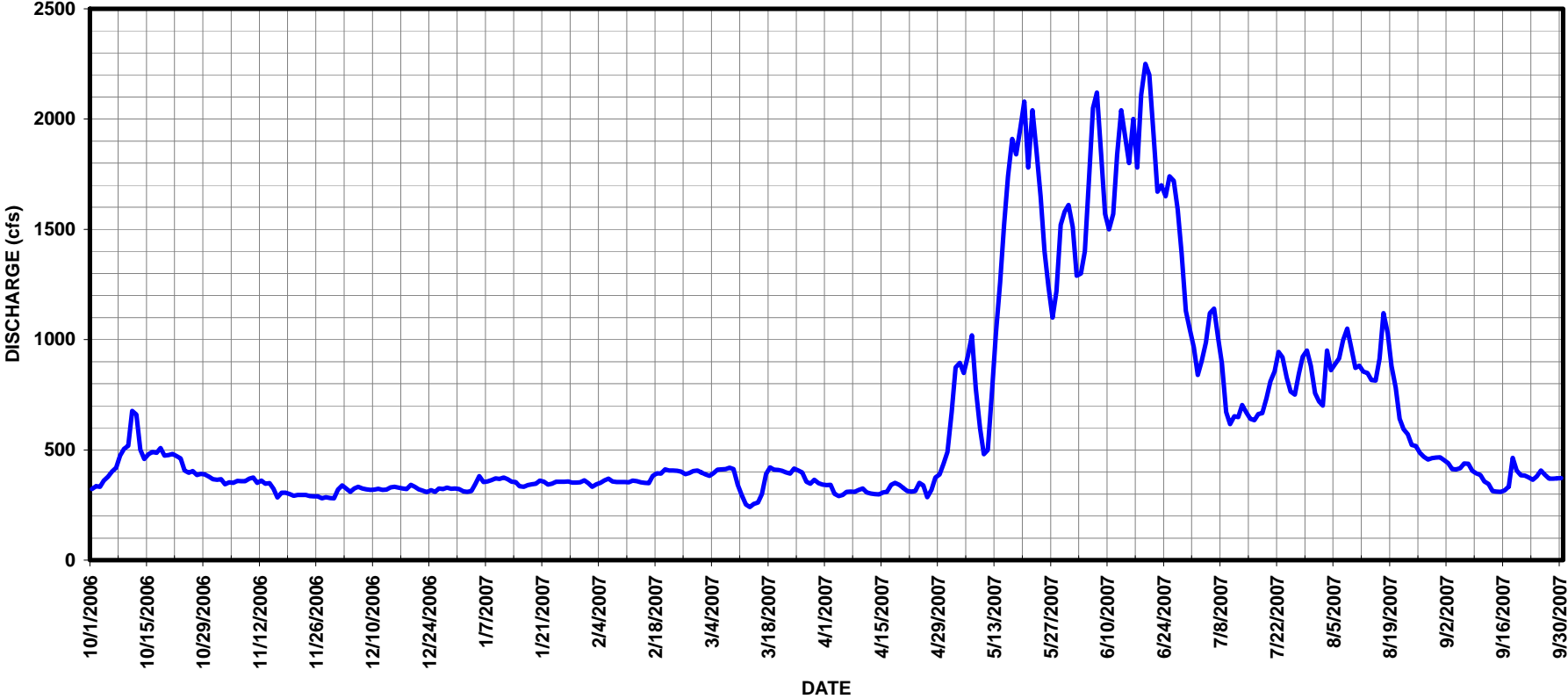
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	365	320	312	349	398	340	491	1510	965	720	454
2	335	367	339	310	333	388	341	671	1290	840	701	439
3	333	344	325	313	344	382	301	874	1300	904	951	413
4	360	353	310	345	351	394	290	895	1400	988	861	411
5	378	350	325	381	362	410	296	848	1710	1120	889	417
6	401	359	332	354	370	411	310	923	2050	1140	915	438
7	419	358	325	357	357	413	311	1020	2120	1010	997	437
8	474	358	321	363	354	419	310	776	1840	891	1050	405
9	505	369	319	371	354	413	318	597	1570	671	964	394
10	518	374	320	368	354	342	325	480	1500	617	872	386
11	677	351	324	374	353	296	307	499	1570	653	882	357
12	660	361	318	367	360	252	302	765	1840	649	855	345
13	501	347	320	356	358	241	299	1030	2040	703	848	313
14	459	349	330	354	353	255	298	1260	1920	669	817	311
15	481	324	333	335	351	261	307	1520	1800	641	814	310
16	490	284	329	332	349	300	310	1740	2000	635	913	316
17	487	306	325	340	382	391	342	1910	1780	662	1120	334
18	508	306	322	344	394	420	350	1840	2110	666	1030	464
19	474	300	341	346	392	410	341	1960	2250	734	880	406
20	476	292	333	360	411	409	327	2080	2200	810	782	385
21	482	296	321	355	407	405	314	1780	1930	856	641	383
22	471	295	315	343	406	397	311	2040	1670	944	594	375
23	461	295	308	346	405	392	313	1860	1700	920	571	365
24	406	290	317	355	401	415	350	1650	1650	828	522	380
25	396	289	310	355	390	406	339	1400	1740	765	517	407
26	404	289	325	356	395	397	285	1240	1720	751	487	387
27	386	280	323	357	404	356	318	1100	1590	844	469	370
28	391	286	329	352	406	346	374	1220	1390	922	456	369
29	388	282	324	352	---	364	389	1520	1130	951	463	371
30	378	280	325	353	---	349	437	1580	1050	880	465	372
31	367	---	322	362	---	343	---	1610	---	757	466	---
TOTAL	13789	9699	10030	10868	10445	11375	9755	39179	51370	25386	23512	11514
MEAN	445	323	324	351	373	367	325	1264	1712	819	758	384
AC-FT	27350	19240	19890	21560	20720	22560	19350	77710	101900	50350	46640	22840
MAX	677	374	341	381	411	420	437	2080	2250	1140	1120	464
MIN	323	280	308	310	333	241	285	480	1050	617	456	310

CAL YR	2006	TOTAL	212781	MEAN	583	MAX	2510	MIN	244	AC-FT	422000
WTR YR	2007	TOTAL	226922	MEAN	622	MAX	2250	MIN	241	AC-FT	450100

MAX DISCH: 2300 CFS AT 07:30 ON Jun. 19, 2007 GH 5.10 FT. SHIFT 0.03 FT.
MAX GH: 5.10 FT. AT 07:30 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07091500 ARKANSAS RIVER AT SALIDA CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

LOCATION.--Lat 38°30'10", long 105°56'21", in SW¹/₄NE¹/₄ sec. 14, T.49 N., R.9 E., Chaffee County, Hydrologic Unit 11020001, on right bank 50 ft upstream from Chaffee-Fremont County line, 2.0 mi northwest of Wellsville, 2.8 mi downstream from South Arkansas River, and 3.5 mi southeast of Salida.

DRAINAGE AREA AND PERIOD OF RECORD.--1,485 mi². April 1961 to current year.

GAGE.--Station is equipped with a satellite-monitored data collection platform (Sutron 8210 DCP) with a Sutron Accububbler. The 8210 DCP log is the primary record, the satellite-monitored data are used as back-up. Accububbler set to outside horizontal chain weight gage. Concrete flood block with provisions for high and low stage orifice lines installed September 2002. New orifice lines were installed Aug. 28, 2003. Cableway located 400 feet downstream from gage. The accububbler was replaced on September 14, 2007. Datum of gage is 6,883.4 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is is complete and reliable only during the following periods: Oct. 1, 2006 through Jan. 11, 2007, and September 15, 2007 to the end of the water year. As of Jan. 12, 2007, the orifice froze solid, apparently causing a rupture or partial tearing of the diaphragm in the accubar in the accububbler, resulting in variable pressure-losses. This became more apparent during high-water, as the device did not track well with large stage changes. Based on this, the record is considered unreliable from Jan. 12, 2007 through September 14, 2007, when the accububbler was replaced. Of note during this period: Nov. 28-30; Dec. 1-5, 9, 22-26, 31, 2006; Jan. 2, 3, 5-9 ; Feb. 15; Mar. 2-5, 2007, the orifice line was temporarily frozen and ice affected the gage height; Jan. 12-31; Feb. 1-13, 2007 the orifice was fully frozen within the flood block; June 28-July 2, 2007, the accububbler tracking problems were noted when flows during this period of falling stage did not correspond with flows at the Arkansas River at Salida gage located ~5.5 miles upstream; and, July 3-6, 2007, when the DCP malfunctioned. Record is good from Oct 1, 2006 through Jan 11, 2007, and September 15, 2007 to the end of the water year. Record is poor from Jan 12, 2007 through September 14, 2007, due to orifice freezing, and DCP and Accububbler malfunction. Plotting of the dual (Salida and Wellsville) hydrographs revealed that the flows during the period of falling stage of June 28- July 2, 2007, did not correspond with flows at Salida. Consequently, that period was estimated based on flows at Salida and should be considered poor also. The peak for the water year also occurred during the period of suspect accububbler operationa and should be considered poor. Station maintained and record developed by L.R. Schultz.

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

RATING TABLE.--ARKWELCO06A USED FROM 01-OCT-2006 TO 30-SEP-2007

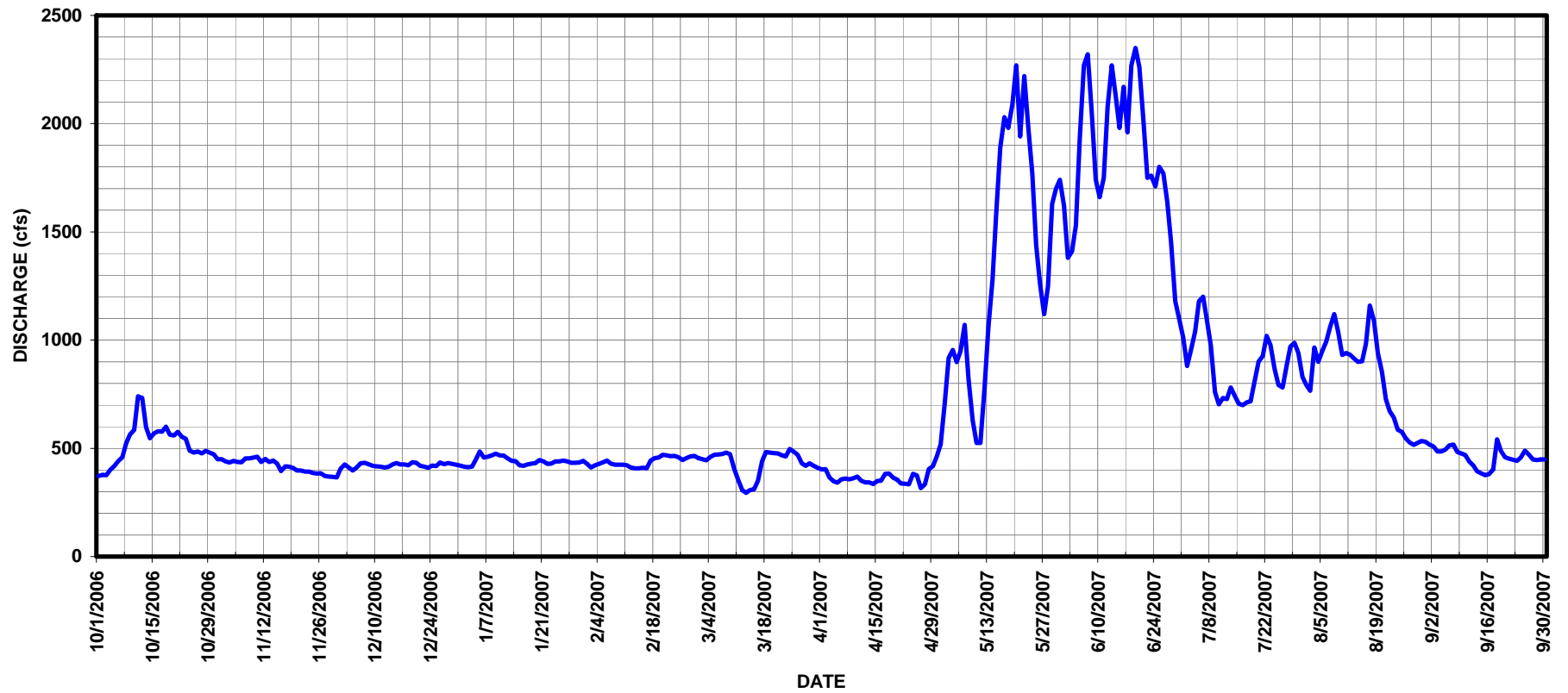
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	372	450	406	415	428	455	403	519	1620	1010	792	517
2	377	440	426	413	411	450	404	711	1380	880	766	509
3	376	434	412	416	422	445	366	918	1410	954	966	486
4	400	442	397	449	428	460	348	955	1530	1040	900	485
5	418	437	412	485	436	470	341	898	1930	1180	951	495
6	441	436	431	458	443	472	357	949	2270	1200	992	514
7	459	453	433	461	429	474	360	1070	2320	1090	1060	517
8	524	454	427	467	424	480	357	819	2040	974	1120	483
9	564	458	419	475	424	473	362	629	1740	759	1040	477
10	585	461	417	468	424	405	369	525	1660	704	932	469
11	740	437	416	466	422	355	351	525	1750	733	940	440
12	733	451	411	454	412	307	343	778	2080	727	933	421
13	598	437	414	442	408	294	343	1060	2270	781	915	394
14	546	444	425	441	408	307	335	1280	2130	742	900	385
15	570	429	432	422	410	311	349	1600	1980	706	902	376
16	579	395	426	419	408	350	350	1890	2170	699	984	381
17	577	417	426	426	444	441	382	2030	1960	712	1160	403
18	600	415	422	430	455	483	384	1980	2270	718	1090	542
19	563	409	436	432	458	480	365	2090	2350	813	940	488
20	560	397	433	446	470	478	355	2270	2260	901	853	459
21	576	398	419	440	468	477	338	1940	2010	926	728	452
22	553	392	415	428	464	468	336	2220	1750	1020	671	447
23	544	392	410	430	465	462	334	1990	1760	977	642	442
24	489	386	420	439	459	497	382	1770	1710	867	586	458
25	480	384	418	439	446	484	374	1440	1800	792	576	489
26	485	385	435	444	455	470	316	1260	1770	781	547	472
27	477	372	427	439	463	431	334	1120	1640	878	527	448
28	488	370	432	433	465	419	404	1250	1450	970	516	446
29	480	368	428	433	---	431	418	1630	1180	987	525	448
30	473	366	424	434	---	419	463	1700	1100	940	534	448
31	450	---	420	442	---	410	---	1740	---	830	530	---
TOTAL	16077	12509	13069	13686	12249	13358	10923	41556	55290	27291	25518	13791
MEAN	519	417	422	441	437	431	364	1341	1843	880	823	460
AC-FT	31890	24810	25920	27150	24300	26500	21670	82430	109700	54130	50610	27350
MAX	740	461	436	485	470	497	463	2270	2350	1200	1160	542
MIN	372	366	397	413	408	294	316	519	1100	699	516	376
CAL YR 2006	TOTAL	239409	MEAN	656	MAX	2690	MIN	278	AC-FT	474900		
WTR YR 2007	TOTAL	255317	MEAN	699	MAX	2350	MIN	294	AC-FT	506400		

MAX DISCH: 2570 CFS AT 01:00 ON Jun. 7, 2007 GH 6.26 FT. GH CORR. -0.01 FT. SHIFT +0.03 FT.
 MAX GH: 6.25 FT. (GH CORR. -0.01 FT. APPLIED) AT 01:00 ON Jun. 7, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07093700 ARKANSAS RIVER NEAR WELLSVILLE CO
WY2007 HYDROGRAPH



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ARKANSAS RIVER BASIN

07095000 GRAPE CREEK NEAR WESTCLIFFE, CO

LOCATION.--Lat 38°11'10", long 105°28'59", in NW¼NW¼ sec. 31, T.21 S., R.72 W., Custer County, Hydrologic Unit 110200001, on left bank 0.5 mi upstream from water line of De Weese Reservoir at elevation 7,665 ft, 0.5 mi downstream from Swift Creek, and 3.6 mi northwest of Westcliffe.

DRAINAGE AREA.--320 mi².

GAGE.--Graphic water stage recorder, satellite monitored data collection platform (Sutron Model 8210 DCP) and shaft encoder in a 48-inch diameter metal pipe (CMP) shelter and well. Primary record is DCP log data with the graphic chart recorder and satellite data used for backup purposes. Primary reference gage is electric drop tape inside well. No outside staff gage. An air temperature sensor, installed in radiation shield, and a tipping bucket raingage are also installed at the gage and monitored by the DCP. The partially completed bank operated cableway was dismantled and removed from the site on September 11, 2007. The control is a compound, broad-crested weir located 17 ft. downstream from the gage. Elevation of gage is 7,690 ft, from topographic map. Prior to Mar, 17. 1939, at site 30 ft upstream at present datum.

REMARKS.--Record is complete and reliable, except for the following periods: November 11, 14-20, 27-30; December 1-3, 6-12, 18-20, 2006; and March 8-10, 2007, when the stage-discharge relationship was affected by shore ice and ice on the control; and December 4-5, 13-17, 21-31, 2006; January 1-31; February 1-28; and March 1-7, 2007, when the chart and shaft encoder floats were frozen in ice in the well, the well was frozen, intakes were frozen, and the control/weir pool was frozen. Record good, except for periods of ice effect and no gage height record, which are poor. Station maintained and record developed by T.W. Ley.

RATING TABLE.--GRAWESCO09 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	29	19	19	12	18	30	59	131	79	61	31
2	16	26	18	19	12	18	25	63	138	66	95	27
3	16	28	18	20	13	18	22	59	166	58	86	23
4	15	28	17	22	14	19	20	55	225	49	75	21
5	14	27	17	24	16	23	20	54	198	86	91	24
6	15	27	18	23	18	29	21	44	189	74	147	22
7	17	28	17	22	19	35	21	93	146	62	114	19
8	28	28	18	24	19	60	23	228	115	54	129	20
9	48	27	18	26	21	80	23	107	81	43	96	19
10	55	26	19	25	22	110	22	61	82	41	79	20
11	67	23	18	27	24	154	19	49	103	119	69	19
12	50	25	18	25	26	162	21	51	120	77	62	15
13	38	25	19	23	26	160	23	69	260	62	54	15
14	34	25	21	20	24	136	26	103	214	52	49	13
15	45	24	22	17	22	108	55	148	161	46	43	12
16	40	24	22	15	21	76	87	153	146	43	45	11
17	36	25	21	14	21	61	88	133	167	42	49	12
18	36	24	21	14	23	51	51	124	170	42	38	14
19	32	24	18	13	25	46	30	113	140	64	36	13
20	33	23	15	13	26	42	25	123	117	170	32	12
21	30	24	15	13	27	38	22	156	109	131	27	12
22	28	24	15	13	26	37	21	164	109	107	25	11
23	27	24	15	13	25	35	18	183	104	77	23	11
24	27	23	14	14	23	48	25	326	87	65	24	11
25	27	24	15	15	22	55	38	262	78	58	22	11
26	27	24	17	15	21	37	104	190	68	56	20	10
27	28	22	19	14	20	32	227	133	131	55	18	10
28	36	22	21	14	20	27	220	118	148	60	20	11
29	39	21	21	13	---	24	66	133	106	68	20	12
30	36	20	20	13	---	27	55	153	108	73	22	11
31	32	---	19	13	---	33	---	149	---	69	20	---
TOTAL	987	744	565	555	588	1799	1448	3856	4117	2148	1691	472
MEAN	31.8	24.8	18.2	17.9	21.0	58.0	48.3	124	137	69.3	54.5	15.7
AC-FT	1960	1480	1120	1100	1170	3570	2870	7650	8170	4260	3350	936
MAX	67	29	22	27	27	162	227	326	260	170	147	31
MIN	14	20	14	13	12	18	18	44	68	41	18	10

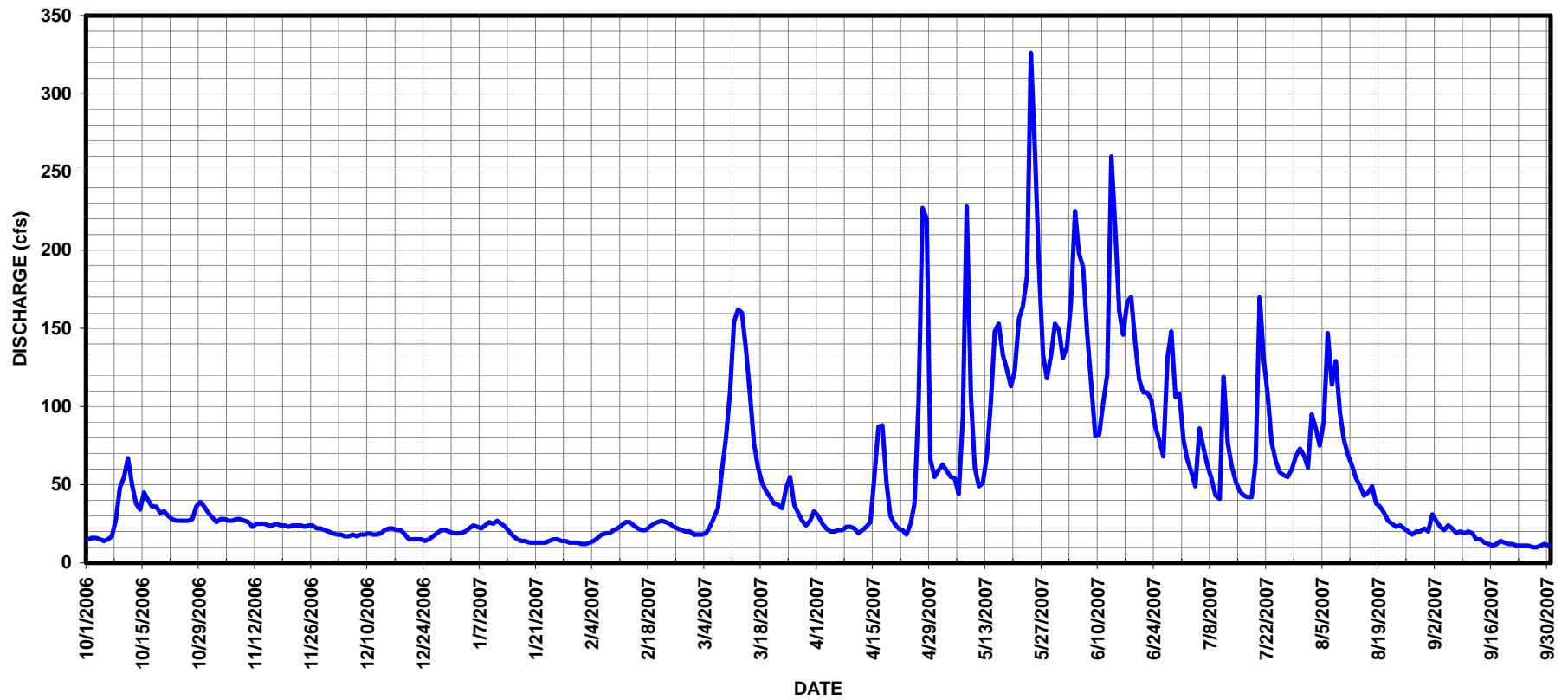
CAL YR	2006	TOTAL	7649.8	MEAN	21	MAX	94	MIN	3.1	AC-FT	15170
WTR YR	2007	TOTAL	18970	MEAN	52	MAX	326	MIN	10	AC-FT	37630

MAX DISCH: 452 CFS AT 00:15 ON Apr. 28, 2007 GH 2.59 FT. SHIFT 0.05 FT.

MAX GH: 2.59 FT. AT 00:15 ON Apr. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07095000 GRAPE CREEK NEAR WESTCLIFFE CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07096000 ARKANSAS RIVER AT CANON CITY, CO

LOCATION.--Lat 38°26'02", long 105°15'24", in SE¼SE¼ sec. 31, T.18 S., R.70 W., Fremont County, Hydrologic Unit 11020002, on right bank 800 ft upstream from Sand Creek, 0.7 mi downstream from Grape Creek, and 0.7 mi upstream from First Street Bridge in Canon City.

DRAINAGE AREA AND PERIOD OF RECORD.--3,117 mi². January 1888 to current year. Monthly data only for some periods. Published as near Canyon 1900-1906.

GAGE.--Graphic water-stage recorder, with high data rate DCP (Sutron 8210) and SDI shaft encoder in 42-inch diameter CMP shelter and well. Primary reference gage is electric drop tape inside well. Control is man-made concrete diversion dam located approximately 200 feet downstream. Cableway 15-20 feet downstream from gage. USGS Hydrolab is co-located at gage. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for the following days when ice affected the gage height: Nov. 30; Dec. 1-10, 22-26, 2006; Jan. 1-2, 6-7, 13-31, Feb. 1-10, Mar. 2-5, 2007. Record good, except for days on which ice affected the stage-discharge relationship. Record during this period should be considered poor. Station maintained and record developed by M. A. Perry.

RATING TABLE.--ARKCANCO23 USED FROM 01-OCT-2006 TO 30-SEP-2007

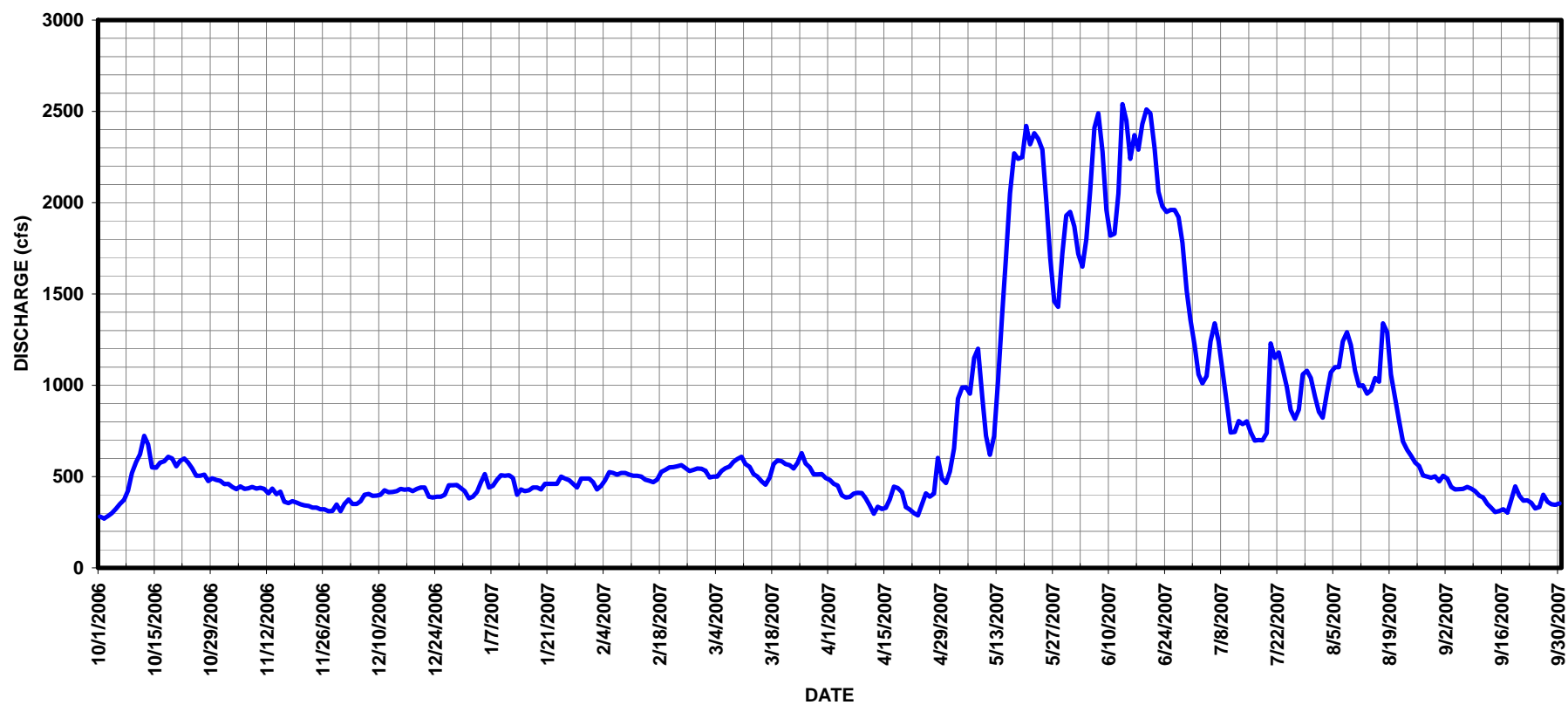
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	458	350	380	470	532	482	527	1870	1220	855	505
2	270	461	375	390	430	495	461	654	1720	1060	822	489
3	284	443	350	416	450	500	451	926	1650	1010	957	443
4	299	431	350	468	480	500	397	988	1800	1050	1070	430
5	324	446	365	514	525	530	385	989	2070	1240	1100	431
6	350	432	400	440	520	546	388	954	2410	1340	1100	432
7	373	436	405	450	510	555	407	1150	2490	1240	1240	444
8	423	443	395	483	520	581	411	1200	2280	1080	1290	435
9	520	435	396	507	520	596	410	939	1960	907	1220	420
10	579	439	400	505	510	608	380	724	1820	741	1080	396
11	622	432	425	507	504	569	342	619	1830	745	997	385
12	723	409	415	493	505	554	296	722	2050	804	1000	350
13	676	434	416	400	500	514	335	1020	2540	788	954	329
14	550	403	420	430	483	500	322	1390	2450	803	972	306
15	549	418	433	420	477	474	329	1710	2240	743	1040	312
16	576	363	428	425	470	456	375	2050	2370	697	1020	321
17	584	354	431	440	483	496	445	2270	2290	701	1340	305
18	609	366	421	440	526	569	438	2240	2430	699	1290	374
19	600	358	432	430	537	589	415	2250	2510	738	1060	447
20	557	349	441	460	550	584	334	2420	2490	1230	930	394
21	586	343	440	460	552	569	320	2320	2300	1150	807	369
22	600	339	390	460	556	563	299	2380	2060	1180	692	370
23	577	331	385	460	563	544	287	2350	1980	1090	647	357
24	546	331	390	500	548	575	349	2290	1950	991	615	326
25	504	321	390	490	531	629	408	2010	1960	864	576	333
26	504	321	400	480	537	572	390	1700	1960	817	558	400
27	511	311	453	460	545	551	406	1460	1920	867	506	362
28	475	312	453	440	543	512	602	1430	1780	1060	500	348
29	491	347	454	490	---	512	488	1720	1520	1080	494	346
30	481	310	438	490	---	513	465	1930	1360	1040	502	353
31	477	---	420	490	---	492	---	1950	---	937	474	---
TOTAL	15501	11576	12661	14218	14345	16780	11817	47282	62060	29912	27708	11512
MEAN	500	386	408	459	512	541	394	1525	2069	965	894	384
AC-FT	30750	22960	25110	28200	28450	33280	23440	93780	123100	59330	54960	22830
MAX	723	461	454	514	563	629	602	2420	2540	1340	1340	505
MIN	270	310	350	380	430	456	287	527	1360	697	474	305
CAL YR 2006	TOTAL	220866	MEAN	605	MAX	2550	MIN	192	AC-FT	438100		
WTR YR 2007	TOTAL	275372	MEAN	754	MAX	2540	MIN	270	AC-FT	546200		

MAX DISCH: 2670 CFS AT 18:30 ON Jun. 6, 2007 GH 8.28 FT. SHIFT -0.04 FT.
MAX GH: 8.28 FT. AT 18:30 ON Jun. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07096000 ARKANSAS RIVER AT CANON CITY CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

LOCATION.--Lat 38°23'18", long 105°00'56", in NE¼NE¼ sec. 20, T.19 S., R.68 W., Fremont County, Hydrologic Unit 11020002, on right bank at bridge on State Highway 120 at Portland and 1 mi downstream from Hardscrabble Creek.

DRAINAGE AREA.--4,024 mi².

GAGE.--Sutron 8210 satellite-monitored data collection platform (DCP) and high data rate transmitter (HDR) with shaft encoder and a graphic water-stage recorder in 36-inch diameter CMP shelter and well. Primary record is DCP data with the graphic chart recorder used for backup purposes. Primary reference gage is a drop tape referenced to an adjustable RP mounted on the instrument shelf inside the shelter. A cablecar is suspended from a monorail attached to upstream side of Hwy 120 bridge 10-15 feet downstream from gage. USGS Hydrolab monitored by DCP for water temperature and specific conductance. The shaft encoder was replaced on Feb 27, 2007. The graphic chart recorder was replaced January 16, 2007, after continual problems with clock stopping.

REMARKS.--Record is complete and reliable, except for: Nov. 29-30; Dec. 1-5, 21-26, 2006; and Jan. 1-4, 6-8, 12-28, 30; Feb. 1-4 and 16, 2007, when ice on the control and in the channel affected the stage-discharge relationship. Record is considered good, except during periods of estimated (ice-affected) flows, which is poor, and the period Nov. 23-28, 2006, which is fair due to missing DCP data and suspect chart data. Station maintained and record developed by M.A. Perry.

RATING TABLE.--ARKPORC010 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

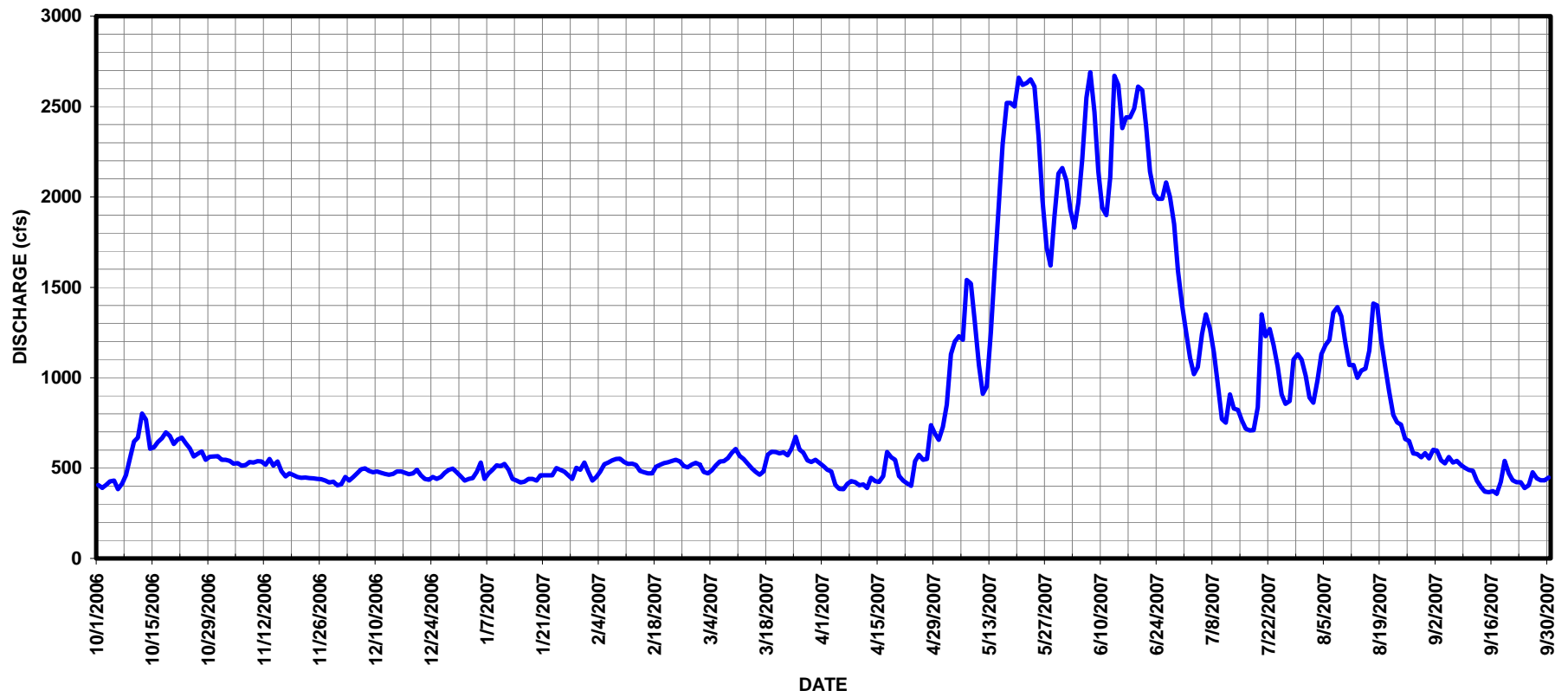
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	406	546	410	430	480	518	511	728	2090	1260	891	601
2	391	545	450	440	430	478	491	851	1930	1110	861	596
3	406	540	430	445	450	471	482	1130	1830	1020	985	543
4	426	525	450	480	480	487	407	1200	1970	1060	1130	526
5	430	527	470	530	521	513	385	1230	2210	1240	1180	561
6	383	514	493	440	531	536	383	1210	2550	1350	1210	531
7	414	516	498	470	542	538	413	1540	2690	1270	1360	539
8	461	533	485	490	550	555	428	1520	2470	1140	1390	517
9	558	531	476	515	552	584	422	1310	2140	965	1340	502
10	647	538	481	510	534	605	405	1070	1940	771	1190	489
11	669	537	473	523	523	567	410	910	1900	751	1070	484
12	801	518	468	490	524	551	389	951	2110	908	1070	430
13	768	550	463	440	516	524	446	1250	2670	829	1000	396
14	607	514	468	430	485	500	427	1590	2620	821	1040	369
15	615	537	482	420	476	480	423	1950	2380	764	1050	367
16	644	483	481	425	470	463	456	2290	2440	717	1150	373
17	665	453	474	440	470	481	589	2520	2440	708	1410	359
18	697	470	466	440	507	573	559	2520	2490	709	1400	423
19	677	461	471	430	518	590	546	2500	2610	837	1210	539
20	633	451	491	460	527	589	457	2660	2590	1350	1060	470
21	658	446	460	460	532	581	431	2620	2390	1230	925	433
22	668	447	440	460	539	587	415	2630	2140	1270	794	421
23	637	444	435	460	545	570	401	2650	2020	1180	753	421
24	609	443	450	500	537	607	538	2610	1990	1060	741	390
25	564	440	440	490	511	673	574	2330	1990	908	661	405
26	580	439	450	480	505	602	545	1980	2080	855	650	476
27	591	430	474	460	520	586	551	1720	2000	870	581	443
28	545	420	491	440	529	542	738	1620	1850	1100	578	433
29	562	425	496	502	---	534	691	1890	1590	1130	560	432
30	564	405	477	490	---	545	656	2130	1400	1100	582	447
31	566	---	454	530	---	529	---	2160	---	1010	554	---
TOTAL	17842	14628	14447	14520	14304	16959	14569	55270	65520	31293	30376	13916
MEAN	576	488	466	468	511	547	486	1783	2184	1009	980	464
AC-FT	35390	29010	28660	28800	28370	33640	28900	109600	130000	62070	60250	27600
MAX	801	550	498	530	552	673	738	2660	2690	1350	1410	601
MIN	383	405	410	420	430	463	383	728	1400	708	554	359

CAL YR	2006	TOTAL	239986	MEAN	657	MAX	2650	MIN	204	AC-FT	476000
WTR YR	2007	TOTAL	303644	MEAN	832	MAX	2690	MIN	359	AC-FT	602300

MAX DISCH: 3310 CFS AT 19:15 ON Jun. 26, 2007 GH 5.74 FT. SHIFT -0.13 FT.
MAX GH: 5.74 FT. AT 19:15 ON Jun. 26, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07097000 ARKANSAS RIVER AT PORTLAND CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07099400 ARKANSAS RIVER ABOVE PUEBLO, CO

LOCATION.--Lat 38°16'18", long 104°43'03", in SE¼NE¼ sec. 36, T.20 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on left bank of Arkansas River, 200' downstream from NE corner of Arkansas River bridge, approx. 0.4 mi. downstream from Pueblo Dam, and 7 mi. West of Pueblo.

DRAINAGE AREA AND PERIOD OF RECORD.--4,670 mi². October 1965 to current year. Periodic water quality and sediment data available Oct. 1965 to current year.

GAGE.--Satellite-monitored data collection platform (high data rate Sutron 8210 DCP), Sutron Accububble, shaft encoder and chart recorder in a 4 ft x 4 ft concrete block shelter over a stilling well. Primary record is the DCP log of accububble data. The graphic chart recorder and shaft encoder data are used for backup purposes when the stilling well has good contact with the river (gage height 1.80 ft and above). Primary reference gage is outside staff gage for lower flows (maximum gage height of 2.69 feet), and an electric drop tape referenced to a fixed index mounted on the instrument shelf inside the shelter for higher flows (gage height 2.69 ft and above). Cableway approximately 20 feet upstream from gage. USGS Hydrolab monitored by DCP. Elevation of gage is 4740 ft above NGV Datum of 1929.

REMARKS.--Record is complete and reliable for entire water year. For the period from July 1-4, there were accububble problems. Chart and shaft encoder data were used without loss of accuracy. Record good. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--ARKPUECO17 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

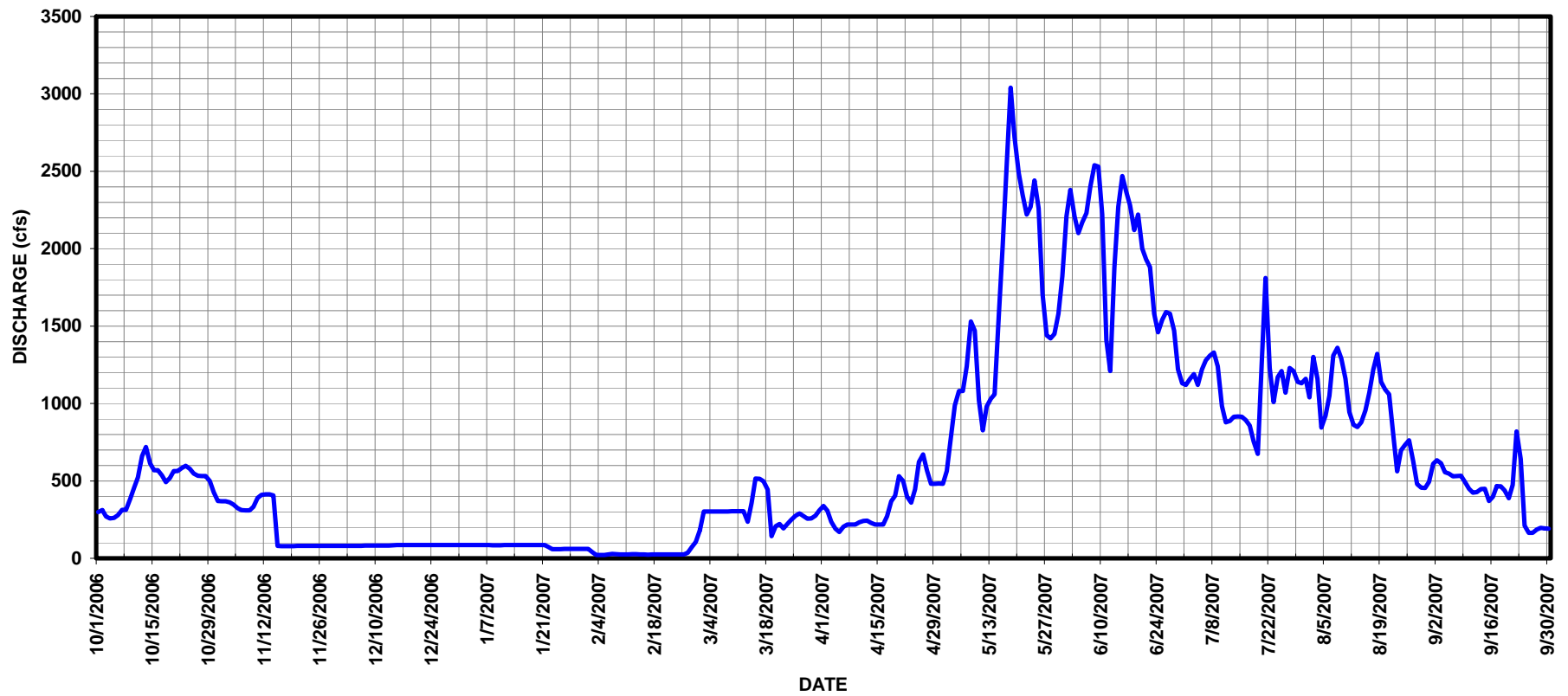
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	299	368	80	86	60	183	338	482	2210	1120	1040	610
2	311	369	80	85	40	303	308	564	2380	1160	1300	634
3	271	362	80	85	21	303	237	784	2210	1190	1160	614
4	258	348	80	85	21	302	191	988	2100	1120	844	556
5	261	323	80	86	21	302	170	1080	2170	1220	922	547
6	280	311	81	86	25	303	204	1080	2230	1280	1050	529
7	313	310	82	85	28	303	219	1240	2400	1310	1310	531
8	313	310	82	84	26	302	219	1530	2540	1330	1360	534
9	383	333	83	84	25	304	219	1470	2530	1240	1290	493
10	455	390	83	84	25	304	233	1020	2220	985	1160	449
11	522	409	83	85	25	304	242	827	1410	878	945	424
12	661	413	82	86	26	304	244	981	1210	888	862	428
13	720	413	83	86	26	237	229	1030	1880	915	849	447
14	613	406	84	86	25	358	219	1060	2270	917	878	449
15	569	80	85	85	25	516	219	1560	2470	914	955	371
16	569	78	86	85	24	513	219	2010	2370	892	1070	397
17	535	79	86	85	25	498	272	2550	2280	858	1220	465
18	492	79	86	85	25	443	368	3040	2120	755	1320	466
19	519	79	86	85	25	144	404	2720	2220	675	1140	438
20	564	80	86	85	25	208	529	2490	2000	1250	1090	389
21	563	80	85	86	25	221	500	2350	1930	1810	1060	474
22	583	80	86	73	25	194	399	2220	1880	1230	798	819
23	598	80	85	59	25	224	359	2270	1580	1010	562	640
24	578	80	86	59	25	250	446	2440	1460	1170	698	212
25	548	80	85	59	25	275	623	2260	1540	1210	733	165
26	533	80	86	60	35	290	671	1710	1590	1070	762	164
27	531	80	86	60	74	273	567	1440	1580	1230	627	186
28	532	80	86	60	105	255	481	1420	1470	1210	479	196
29	499	80	86	60	---	257	481	1450	1220	1140	457	193
30	427	80	86	60	---	275	483	1580	1130	1130	454	192
31	370	---	86	60	---	310	---	1820	---	1160	493	---
TOTAL	14670	6340	2601	2399	882	9258	10293	49466	58600	34267	28888	13012
MEAN	473	211	83.9	77.4	31.5	299	343	1596	1953	1105	932	434
AC-FT	29100	12580	5160	4760	1750	18360	20420	98120	116200	67970	57300	25810
MAX	720	413	86	86	105	516	671	3040	2540	1810	1360	819
MIN	258	78	80	59	21	144	170	482	1130	675	454	164

CAL YR	2006	TOTAL	173788	MEAN	476	MAX	3580	MIN	34	AC-FT	344714
WTR YR	2007	TOTAL	230676	MEAN	632	MAX	3040	MIN	21	AC-FT	457500

MAX DISCH: 3300 CFS AT 02:30 ON May. 19, 2007 GH 6.19 FT. SHIFT 0.16 FT. DATUM CORRECTION 0.00 FT.
MAX GH: 6.19 FT. AT 02:30 ON May. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07099400 ARKANSAS RIVER ABOVE PUEBLO CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING, CO

LOCATION.--Lat 37°43'40", long 105°21'03", in sec 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares crossing, 500 ft downstream from private bridge, .2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Sutron 8210 satellite-monitored high data rate data collection platform (DCP) with shaft encoder and graphic water-stage recorder, inside a 48-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside electric tape gage. DCP logger is primary record with DCP data and A-35 chart record used for back-up purposes. Station is also equipped with an air temperature sensor and a tipping bucket raingage. Elevation of gage approximately 8190 ft MSL (from topographic map).

REMARKS.--Record complete and reliable, except for the following periods: November 12-30, Dec. 1-16, 2006, February 6-12, 18-28, March 1-6, 29-31, April 5-7, 10-15, 2007, when the stage-discharge relationship was affected by ice in the well or the river; and December 17-31, 2006, January 1-31, February 1-5, 13-17, 2007, when the well was frozen. Record fair, except for periods of no gage height and ice affected record, which should be considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--HURREDCO23 USED FROM 01-OCT-2006 TO 30-SEP-2007

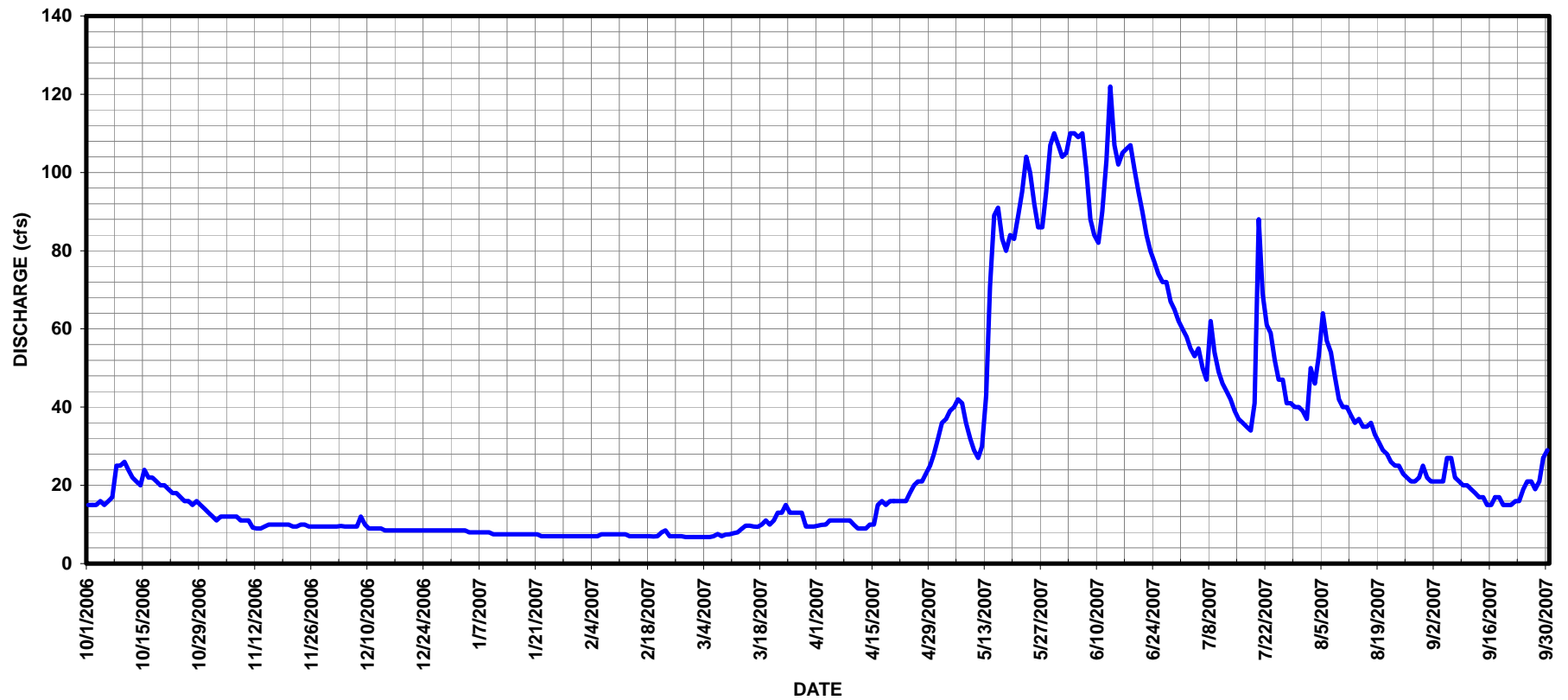
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	9.5	8.5	7.0	6.8	9.7	32	104	60	37	21
2	15	11	9.5	8.5	7.0	6.8	9.9	36	105	58	50	21
3	15	12	9.6	8.5	7.0	6.8	10	37	110	55	46	21
4	16	12	9.5	8.0	7.0	6.8	11	39	110	53	53	21
5	15	12	9.5	8.0	7.0	6.8	11	40	109	55	64	27
6	16	12	9.5	8.0	7.5	7.0	11	42	110	50	57	27
7	17	12	9.5	8.0	7.5	7.6	11	41	101	47	54	22
8	25	11	12	8.0	7.5	7.0	11	36	88	62	48	21
9	25	11	10	8.0	7.5	7.4	11	32	84	54	42	20
10	26	11	9.0	7.5	7.5	7.5	10	29	82	49	40	20
11	24	9.2	9.0	7.5	7.5	7.8	9.0	27	90	46	40	19
12	22	9.0	9.0	7.5	7.5	8.0	9.0	30	103	44	38	18
13	21	9.0	9.0	7.5	7.0	8.9	9.0	43	122	42	36	17
14	20	9.5	8.5	7.5	7.0	9.7	10	71	107	39	37	17
15	24	10	8.5	7.5	7.0	9.7	10	89	102	37	35	15
16	22	10	8.5	7.5	7.0	9.5	15	91	105	36	35	15
17	22	10	8.5	7.5	7.0	9.4	16	83	106	35	36	17
18	21	10	8.5	7.5	7.0	10	15	80	107	34	33	17
19	20	10	8.5	7.5	6.9	11	16	84	101	41	31	15
20	20	10	8.5	7.5	7.0	10	16	83	95	88	29	15
21	19	9.5	8.5	7.5	8.0	11	16	89	90	69	28	15
22	18	9.5	8.5	7.0	8.5	13	16	95	84	61	26	16
23	18	10	8.5	7.0	7.0	13	16	104	80	59	25	16
24	17	10	8.5	7.0	7.0	15	18	100	77	52	25	19
25	16	9.5	8.5	7.0	7.0	13	20	92	74	47	23	21
26	16	9.5	8.5	7.0	7.0	13	21	86	72	47	22	21
27	15	9.5	8.5	7.0	6.8	13	21	86	72	41	21	19
28	16	9.5	8.5	7.0	6.8	13	23	95	67	41	21	21
29	15	9.5	8.5	7.0	---	9.5	25	107	65	40	22	27
30	14	9.5	8.5	7.0	---	9.5	28	110	62	40	25	29
31	13	---	8.5	7.0	---	9.5	---	107	---	39	22	---
TOTAL	578	308.7	277.6	233.5	201.5	297.0	434.6	2116	2784	1521	1101	590
MEAN	18.6	10.3	8.95	7.53	7.20	9.58	14.5	68.3	92.8	49.1	35.5	19.7
AC-FT	1150	612	551	463	400	589	862	4200	5520	3020	2180	1170
MAX	26	12	12	8.5	8.5	15	28	110	122	88	64	29
MIN	13	9.0	8.5	7.0	6.8	6.8	9.0	27	62	34	21	15
CAL YR 2006	TOTAL	5711.8	MEAN	15.6	MAX	58	MIN	8.5	AC-FT	11330		
WTR YR 2007	TOTAL	10442.9	MEAN	28.6	MAX	122	MIN	6.8	AC-FT	20710		

MAX DISCH: 128 CFS AT 05:15 ON Jun. 13, 2007 GH 2.91 FT. GH CORR. -0.08 FT. SHIFT 0.34 FT.
MAX GH: 2.83 FT. (GH CORR. -0.08 FT. APPLIED) AT 05:15 ON Jun. 13, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

HUERFANO RIVER AT BADITO, CO

LOCATION.--Latitude 37° 43' 39", Longitude 105° 00' 50" (Farisita, Colorado quadrangle, 1:24000 scale) in the E½ SE¼ Sec.5, T27S, R68W, Huerfano County on left bank, 30 feet downstream of the crossing of CR 616 bridge and Huerfano River.

DRAINAGE AREA.--532 sq mi.

GAGE.--Sutron SatLink 2 high data rate satellite-monitored data collection platform (DCP) and Sutron Accubar in a 4 ft x 6 ft steel shelter. The primary record is the DCP log data with satellite data used for backup. The primary reference gage is a concrete slope gage immediately below the orifice. Elevation of gage is approximately 6,435 ft above mean sea level from topographic map.

REMARKS.--Record is complete and reliable, except for the periods: October 26-31, November 1-3, 15-21, 27-30; December 1-31, 2006; January 1-31; February 1-21, 25-28; March 1-6, 29-31; and April 12-16, 2007, when ice in the river affected the stage-discharge relationship. During the period 1800-2000 hrs July 19, 2007, the diversion dam ~1000 ft upstream failed during a rain event. This caused the accubar to sense false gage height due to heavy sediment loading on the orifice and debris along with rock ranging in size from large gravel to small boulders to move past the gage. The peak gage height of 9.78 ft occurred during this event, however on the August 10, 2007 site visit, a high water line of ~4.00 feet was observed. Record fair, except during periods of sediment loading and ice effect, which are considered poor. The peak gage height and discharge are also estimated and should be considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--HUEBADCO02A USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

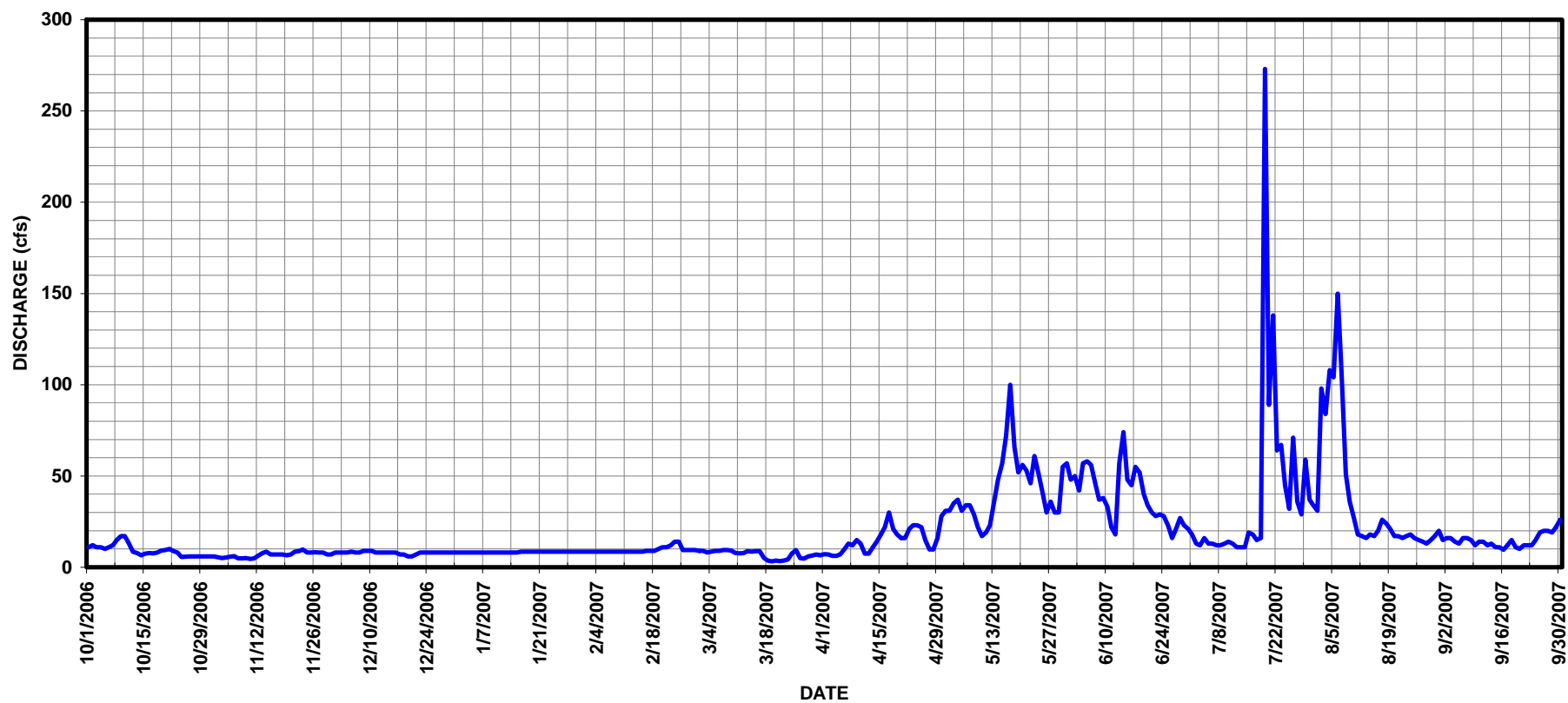
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	6.0	8.0	8.0	8.5	9.0	7.1	31	48	18	31	15
2	12	5.5	8.0	8.0	8.5	9.0	7.0	31	50	13	98	16
3	11	5.0	8.0	8.0	8.5	8.0	6.3	35	42	12	84	16
4	11	5.4	8.0	8.0	8.5	8.5	6.3	37	57	16	108	14
5	10	5.8	8.5	8.0	8.5	9.0	7.2	31	58	13	104	13
6	11	6.1	8.0	8.0	8.5	9.0	10	34	56	13	150	16
7	12	4.8	8.0	8.0	8.5	9.5	13	34	46	12	105	16
8	15	4.9	9.0	8.0	8.5	9.4	12	29	37	12	51	15
9	17	5.0	9.0	8.0	8.5	9.2	15	22	38	13	36	12
10	17	4.6	9.0	8.0	8.5	7.8	13	17	33	14	27	14
11	13	4.8	8.0	8.0	8.5	7.6	7.4	19	22	13	18	14
12	8.5	6.4	8.0	8.0	8.5	7.8	7.5	23	18	11	17	12
13	7.7	7.7	8.0	8.0	8.5	8.8	11	36	57	11	16	13
14	6.5	8.6	8.0	8.0	8.5	8.5	14	48	74	11	18	11
15	7.5	7.0	8.0	8.0	8.5	8.8	18	57	48	19	17	11
16	7.8	7.0	8.0	8.5	9.0	8.9	22	72	45	18	20	9.6
17	7.6	7.0	7.0	8.5	9.0	5.2	30	100	55	15	26	12
18	8.1	7.0	7.0	8.5	9.0	3.7	21	66	52	16	24	15
19	9.1	6.5	6.0	8.5	10	3.2	18	52	40	273	21	11
20	9.4	7.0	6.0	8.5	11	3.6	16	56	34	89	17	10
21	10	8.5	7.0	8.5	11	3.4	16	53	30	138	17	12
22	8.8	8.9	8.0	8.5	12	3.7	21	46	28	64	16	12
23	8.0	9.7	8.0	8.5	14	4.2	23	61	29	67	17	12
24	5.7	8.0	8.0	8.5	14	7.5	23	51	28	45	18	15
25	5.8	8.1	8.0	8.5	9.5	9.4	22	41	23	32	16	19
26	6.0	8.3	8.0	8.5	9.5	5.1	15	30	16	71	15	20
27	6.0	8.0	8.0	8.5	9.5	4.7	9.7	36	21	36	14	20
28	6.0	8.0	8.0	8.5	9.5	5.9	9.7	30	27	29	13	19
29	6.0	7.0	8.0	8.5	---	6.4	16	30	23	59	15	22
30	6.0	7.0	8.0	8.5	---	7.0	28	55	21	37	17	26
31	6.0	---	8.0	8.5	---	6.5	---	57	---	34	20	---
TOTAL	286.5	203.6	244.5	256.0	264.5	218.3	445.2	1320	1156	1224	1166	442.6
MEAN	9.24	6.79	7.89	8.26	9.45	7.04	14.8	42.6	38.5	39.5	37.6	14.8
AC-FT	568	404	485	508	525	433	883	2620	2290	2430	2310	878
MAX	17	9.7	9.0	8.5	14	9.5	30	100	74	273	150	26
MIN	5.7	4.6	6.0	8.0	8.5	3.2	6.3	17	16	11	13	9.6

CAL YR 2006 TOTAL 4185.5 MEAN 11.5 MAX 154 MIN 1.7 AC-FT 8300
WTR YR 2007 TOTAL 7227.2 MEAN 19.8 MAX 273 MIN 3.2 AC-FT 14340

MAX DISCH: 2000 CFS AT 18:45 ON Jul. 19, 2007 GH 4.00 FT.(ESTIMATED) SHIFT 0.10 FT.
MAX GH: 4.00 FT. (ESTIMATED) AT 18:45 ON Jul. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

HUERFANO RIVER AT BADITO CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07114000 CUCARAS RIVER AT BOYD RANCH NEAR LA VETA, CO

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Sutron model 8210 satellite-monitored data collection platform (DCP) with a High Data Rate (HDR) radio transmitter, with shaft encoder and graphic water-stage recorder in a 42-inch diameter corrugated metal pipe (CMP) shelter over 48-inch corrugated pipe well. Shaft encoder and chart are set using a drop-tape from a reference mark on the front of the equipment shelf. DCP log is primary record with graphic chart record and satellite data used for back-up purposes. Station is also equipped with an air temperature sensor. Supplemental outside staff gage is not currently used.

REMARKS.--Record is complete and reliable, except for the following periods: October 26, 27, November 1, 2, 10-12, 15-21, 25-30, December 1-31, 2006, January 1-14, 30, February 6-8, 12-19, 23-28, and March 1-9, 12, 29-31, April 6-8, 11-14, 2007, when the stage-discharge relationship was affected by ice in the well and river channel; and, January 15-29, 31, February 1 -5, 2007, when the well was frozen. Record considered good, except during periods of no gage height and ice affected record, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--CRBRLVCO14 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	8.1	7.0	6.2	6.0	6.5	15	65	100	45	20	13
2	7.1	8.1	7.0	6.2	5.8	6.5	16	98	103	43	23	15
3	6.9	8.2	7.0	6.2	5.8	6.5	17	102	110	41	23	15
4	7.1	7.8	7.0	6.2	5.6	6.8	18	105	106	40	22	13
5	7.2	7.8	7.4	6.2	5.6	7.0	19	95	103	40	22	13
6	7.2	7.6	7.4	6.2	5.6	7.0	18	80	104	37	23	13
7	7.3	7.5	7.5	6.2	5.0	7.5	18	65	105	35	28	12
8	9.8	7.6	7.5	6.2	4.6	8.0	18	57	98	34	28	11
9	9.6	7.5	7.5	6.2	4.1	8.5	19	53	86	34	24	11
10	9.7	7.2	7.0	6.4	3.5	9.5	20	52	78	32	26	14
11	9.2	6.5	7.0	6.4	3.1	10	18	55	79	31	26	12
12	8.6	6.8	7.0	6.4	4.0	9.4	18	70	88	30	24	10
13	8.3	6.6	6.5	6.4	4.0	11	19	81	110	29	23	10
14	8.1	6.9	6.0	6.4	4.5	14	21	110	102	28	23	10
15	8.8	7.8	6.0	6.4	4.5	14	22	127	97	27	22	9.7
16	8.6	8.2	5.8	6.4	5.0	13	26	113	92	26	22	9.7
17	8.2	7.3	5.9	6.4	5.0	15	28	117	91	25	22	10
18	8.4	7.0	6.0	6.4	5.0	17	29	117	88	25	20	11
19	7.9	6.8	6.0	6.4	5.3	17	34	117	82	29	18	9.6
20	7.9	7.0	6.0	6.4	6.3	17	34	119	76	34	16	9.7
21	8.6	7.0	6.0	6.4	6.6	19	34	113	73	28	16	10
22	8.3	6.8	6.0	6.4	7.0	20	32	112	67	26	15	9.9
23	8.5	6.8	6.0	6.2	6.8	20	31	129	62	25	15	10
24	8.6	6.7	6.0	6.2	7.0	22	33	117	59	24	16	12
25	8.3	6.5	6.0	6.2	7.2	20	30	115	56	23	15	10
26	8.3	6.3	6.0	6.2	7.0	20	29	113	54	23	14	9.7
27	9.5	6.5	6.0	6.2	6.6	22	30	115	54	22	13	9.6
28	9.5	7.0	6.0	6.2	6.6	22	34	123	52	26	13	10
29	9.2	7.0	6.0	6.2	---	19	40	134	56	26	14	11
30	8.9	7.0	6.0	6.0	---	17	51	137	48	24	15	10
31	8.5	---	6.0	6.0	---	16	---	118	---	22	14	---
TOTAL	259.1	215.9	200.5	194.4	153.1	428.2	771	3124	2479	934	615	333.9
MEAN	8.36	7.20	6.47	6.27	5.47	13.8	25.7	101	82.6	30.1	19.8	11.1
AC-FT	514	428	398	386	304	849	1530	6200	4920	1850	1220	662
MAX	9.8	8.2	7.5	6.4	7.2	22	51	137	110	45	28	15
MIN	6.9	6.3	5.8	6.0	3.1	6.5	15	52	48	22	13	9.6

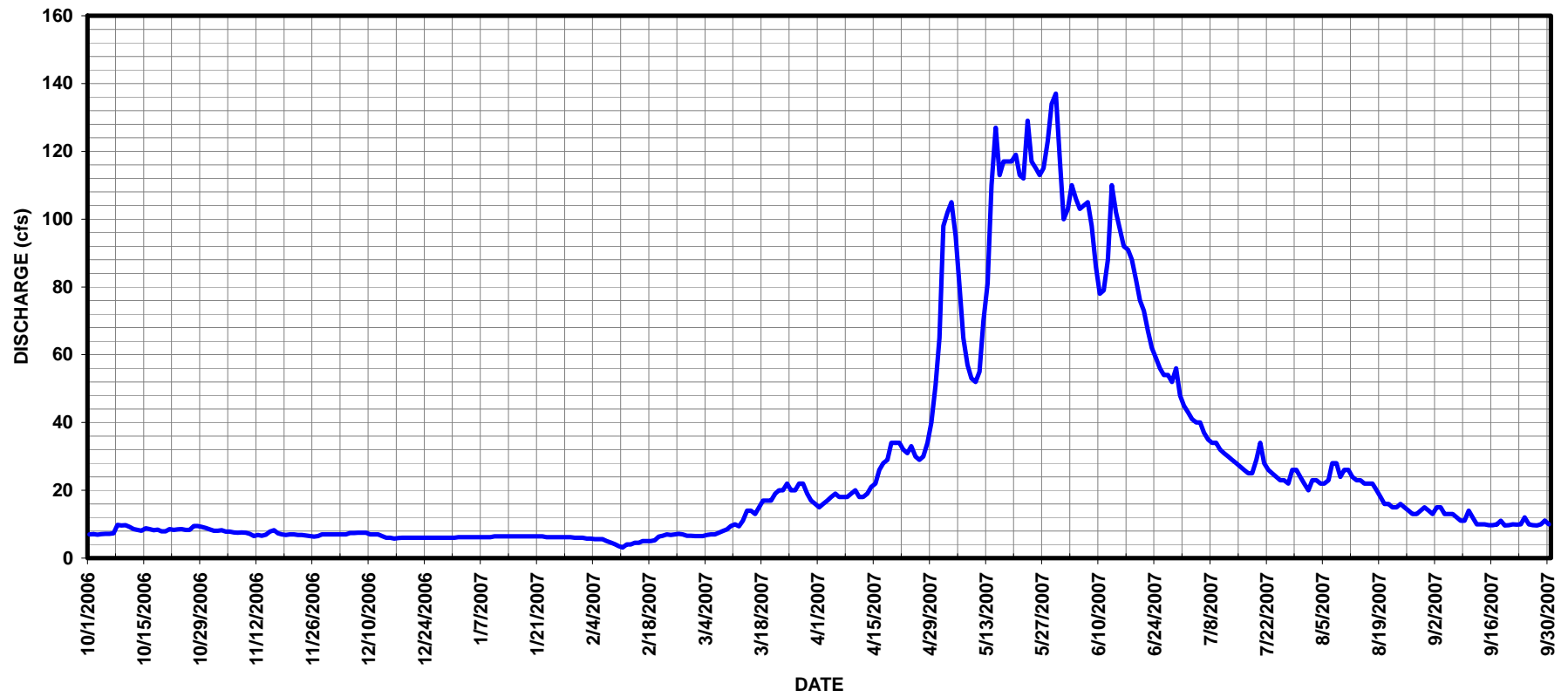
CAL YR	2006	TOTAL	2915.1	MEAN	7.99	MAX	15.0	MIN	4.8	AC-FT	5782
WTR YR	2007	TOTAL	9708.1	MEAN	26.6	MAX	137	MIN	3.1	AC-FT	19260

MAX DISCH: 139 CFS AT 19:30 ON May. 23, 2007 GH 1.64 FT. SHIFT -0.05 FT.

MAX GH: 1.64 FT. AT 19:30 ON May. 23, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07114000 CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA, CO

LOCATION.--Lat 37° 33' 02", Long 104° 56' 11", in the NE¼ SW¼ Sec.6, T29S, R67W Huerfano County, on right bank at the Valley Road Harrison Bridge crossing of Cucharas River approximately ¾ mile south of the intersection of Valley Road and Highway 160.

DRAINAGE AREA.--N/A.

GAGE.--Sutron 8210 data collection platform (DCP) and shaft encoder. The shaft encoder is housed inside of a 20" x 30" metal shelter atop an 18-inch stilling well attached to the center bridge pier. DCP is in a 4 ft x 4 ft steel shelter approximately 150 feet south of the right bank. Primary reference gage was a drop tape from a reference mark on the bridge guardrail 20 feet to the right of the stilling well. An electric tape gage was installed in the well on April 4, 2007, at which time it became the primary reference gage. DCP log is primary record with satellite data used for back-up purposes. Elevation of gage is 6648 ft MSL from topographic map.

REMARKS.--Record is complete and reliable, except for the following periods: November 28-30, December 5, 6, 16, 26-28, 2006, January 10, 11, February 5, 12-18, 24-26, March 1-6, 28-30, 2007, when the stage-discharge relationship was affected by ice in river channel and the well; and December 1-4, 17-25, 29-31, 2006, January 1-9, 12-31, February 1-4, 2007, when the well was frozen. During the period July 18 to August 21, 2007, the DCP stopped recording and lost data, transmitted satellite data were used for the record. Data were lost from 1800 August 20 to 1045 August 21, 2007, due to the shut down. Record good to fair, except during periods of ice effect and no gage height, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--CRHBLVCO02 USED FROM 01-OCT-2006 TO 30-SEP-07

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

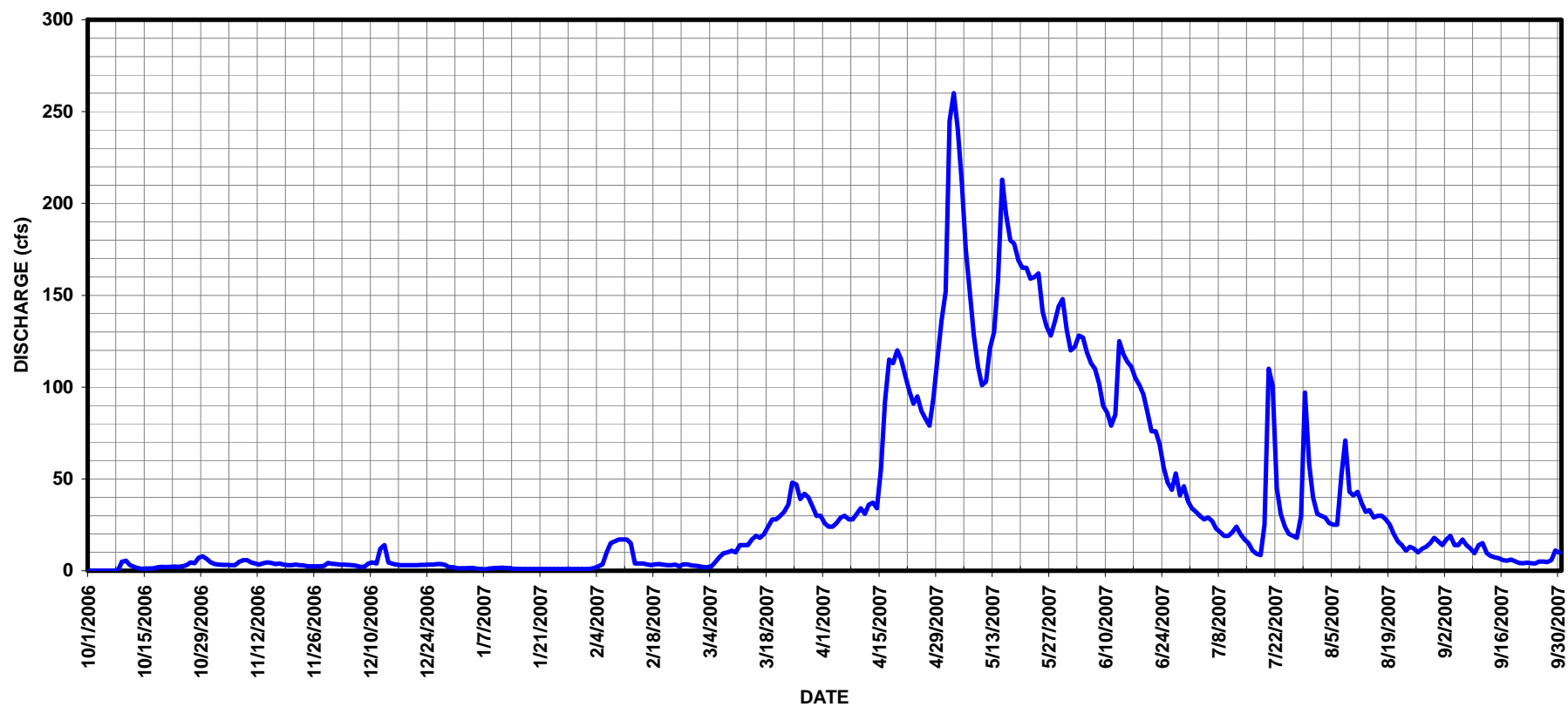
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	3.7	3.6	1.4	.90	2.5	26	152	120	34	31	14
2	0	3.4	3.4	1.4	1.0	2.0	24	245	122	32	30	17
3	0	3.2	3.4	1.5	1.5	2.0	24	260	128	30	29	19
4	0	3.2	3.2	1.5	2.5	2.5	26	241	127	28	26	14
5	0	3.1	3.0	1.0	3.5	5.0	29	211	119	29	25	14
6	0	3.0	2.7	.90	9.7	7.5	30	175	113	27	25	17
7	0	4.9	2.2	.80	15	9.5	28	151	110	23	52	14
8	.19	5.8	2.2	1.2	16	10	28	128	102	21	71	12
9	4.8	5.7	4.0	1.4	17	11	31	111	90	19	43	9.5
10	5.5	4.6	4.6	1.5	17	10	34	101	86	19	41	14
11	3.0	4.0	4.0	1.7	17	14	31	103	79	21	43	15
12	2.1	3.4	12	1.5	15	14	36	121	85	24	37	9.5
13	1.4	4.1	14	1.4	4.0	14	37	130	125	20	32	8.0
14	1.1	4.5	4.6	1.0	4.0	17	34	158	118	17	33	7.3
15	1.2	4.2	3.8	1.0	3.9	19	56	213	114	15	29	6.8
16	1.2	3.7	3.4	.90	3.5	18	92	194	111	11	30	5.7
17	1.3	3.9	3.0	.90	3.1	20	115	180	105	9.2	30	5.4
18	1.9	3.3	3.0	.90	3.5	24	113	178	101	8.5	28	6.1
19	2.1	3.0	3.0	.90	3.7	28	120	169	96	25	25	5.1
20	2.0	3.1	3.0	.90	3.3	28	115	165	86	110	20	4.3
21	2.2	3.4	3.0	.90	3.0	30	106	165	76	101	16	4.1
22	2.3	3.1	3.2	.90	3.1	32	98	159	76	45	14	4.4
23	2.1	2.9	3.2	.90	3.3	36	91	160	69	31	11	4.1
24	2.4	2.4	3.3	.90	2.5	48	95	162	56	24	13	4.0
25	3.1	2.4	3.4	.90	3.5	47	87	141	48	20	12	5.0
26	4.5	2.4	3.6	.90	3.5	39	83	133	44	19	10	5.0
27	4.1	2.4	3.6	.90	2.9	42	79	128	53	18	12	4.7
28	7.1	2.6	3.2	.90	2.7	40	94	135	41	30	13	5.7
29	7.9	4.2	1.9	.90	---	35	116	144	46	97	15	11
30	6.4	3.8	1.9	.90	---	30	136	148	38	58	18	9.8
31	4.6	---	1.4	.90	---	30	---	131	---	40	16	---
TOTAL	74.49	107.4	117.8	33.60	169.60	667.0	2014	4992	2684	1005.7	830	275.5
MEAN	2.40	3.58	3.80	1.08	6.06	21.5	67.1	161	89.5	32.4	26.8	9.18
AC-FT	148	213	234	67	336	1320	3990	9900	5320	1990	1650	546
MAX	7.9	5.8	14	1.7	17	48	136	260	128	110	71	19
MIN	0	2.4	1.4	.80	.90	2.0	24	101	38	8.5	10	4.0

CAL YR	2006	TOTAL	1301.22	MEAN	3.56	MAX	17.0	MIN	0	AC-FT	2580
WTR YR	2007	TOTAL	12971.09	MEAN	35.5	MAX	260	MIN	0	AC-FT	25730

MAX DISCH: 286 CFS AT 22:45 ON May. 2, 2007 GH 3.08 FT. SHIFT 0.03 FT.
MAX GH: 3.08 FT. AT 22:45 ON May. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

OXFORD FARMERS DITCH NEAR NEPESTA, CO

LOCATION.--Lat 38° 10' 34", Long 104° 8' 42", in the NE¼ NW¼ SW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, approximately 0.33 mi upstream from Arkansas River at Nepesta Rd. Bridge river gage.

DRAINAGE AREA.--N/A.

GAGE.--Sutron SatLink DCP/logger with High Data Rate radio, which monitors a shaft encoder in a stilling well inside a wood frame shelter at a standard 12-foot concrete Parshall Flume. A float-activated A-35 graphic water-stage recorder is also in the stilling well. Primary record is the DCP log data with satellite-monitored data and the graphic chart recorder used for backup purposes. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable. Record is considered good. Record developed by A.D. Gutierrez.

RATING TABLE.--ST12FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	20	0	0	0	0	62	82	89	90	117	49
2	13	17	0	0	0	0	62	82	88	89	115	49
3	13	16	0	0	0	0	62	81	86	88	97	49
4	13	15	0	0	0	0	62	81	84	87	106	48
5	16	15	0	0	0	0	41	80	83	105	97	47
6	19	14	0	0	0	0	19	80	83	120	96	31
7	19	13	0	0	0	0	19	81	82	129	93	25
8	19	14	0	0	0	0	24	82	82	129	93	25
9	18	13	0	0	0	0	27	83	81	129	93	25
10	18	12	0	0	0	0	56	84	84	129	93	25
11	18	12	0	0	0	0	69	83	86	48	96	24
12	18	12	0	0	0	0	59	83	89	0	96	24
13	18	12	0	0	0	0	26	83	55	49	98	24
14	23	9.7	0	0	0	0	.78	83	5.3	49	98	23
15	24	1.7	0	0	0	26	.66	21	12	50	113	23
16	23	0	0	0	0	15	47	0	89	50	121	21
17	23	0	0	0	0	42	57	76	90	50	112	24
18	23	0	0	0	0	52	57	88	90	50	108	25
19	23	0	0	0	0	52	60	88	89	50	108	25
20	24	0	0	0	0	52	81	88	104	67	107	25
21	24	0	0	0	0	52	86	89	120	101	108	24
22	27	0	0	0	0	51	86	88	120	101	107	23
23	23	0	0	0	0	51	85	88	120	110	105	24
24	22	0	0	0	0	52	86	87	119	126	107	24
25	21	0	0	0	0	52	85	87	124	121	41	21
26	22	0	0	0	0	52	84	88	120	73	24	18
27	20	0	0	0	0	52	83	88	94	50	94	19
28	17	0	0	0	0	52	83	88	89	49	94	20
29	17	0	0	0	---	57	83	88	88	99	65	20
30	18	0	0	0	---	60	83	87	90	117	50	19
31	20	---	0	0	---	61	---	88	---	117	49	---
TOTAL	609	196.4	0	0	0	831	1735.44	2475	2635.3	2622	2901	823
MEAN	19.6	6.55	0	0	0	26.8	57.8	79.8	87.8	84.6	93.6	27.4
AC-FT	1210	390	0	0	0	1650	3440	4910	5230	5200	5750	1630
MAX	27	20	0	0	0	61	86	89	124	129	121	49
MIN	13	0	0	0	0	0	.66	0	5.3	0	24	18

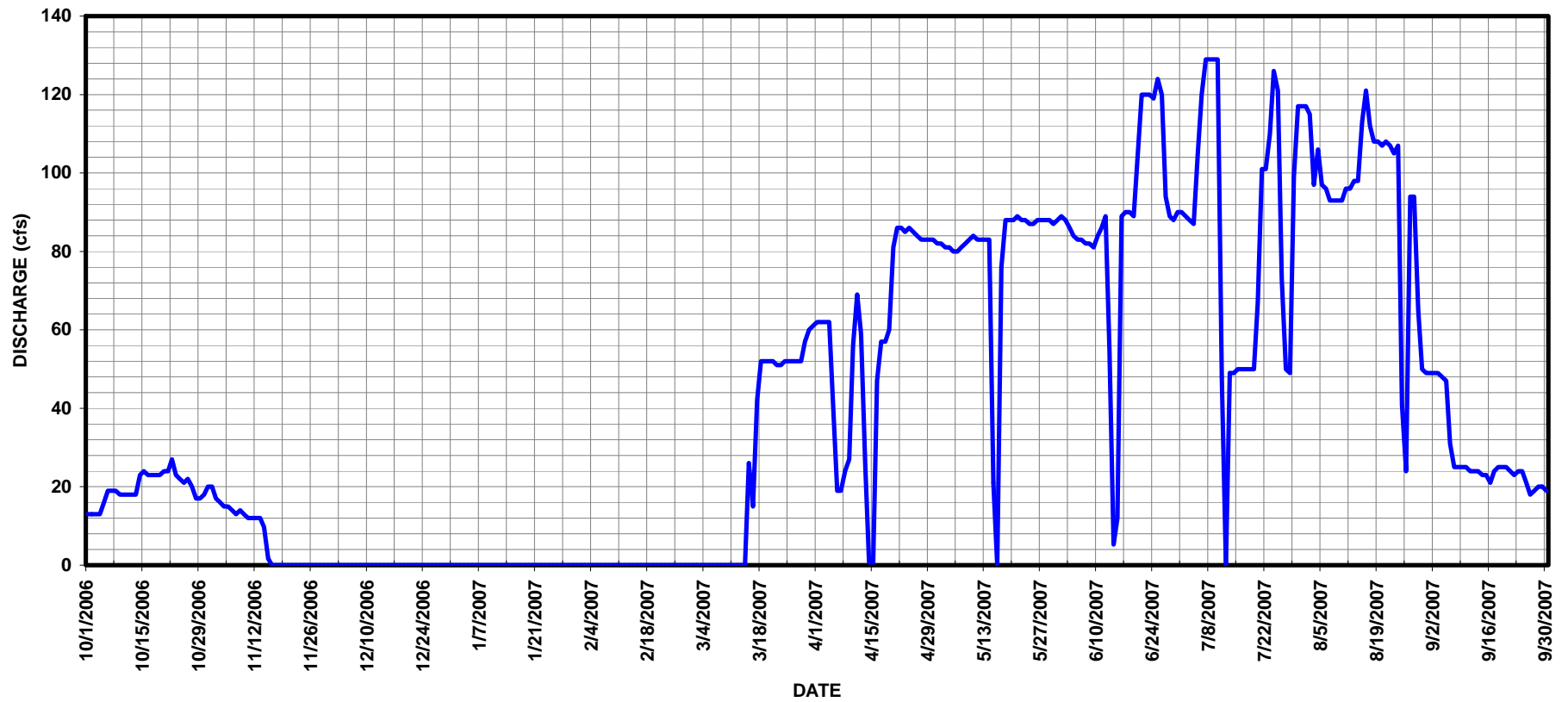
CAL YR	2006	TOTAL	9851	MEAN	27.0	MAX	131	MIN	0	AC-FT	19539
WTR YR	2007	TOTAL	14828.14	MEAN	40.6	MAX	129	MIN	0	AC-FT	29410

MAX DISCH: 133 CFS AT 09:30 ON Jul. 24, 2007 GH 1.92 FT. SHIFT 0 FT.

MAX GH: 1.92 FT. AT 09:30 ON Jul. 24, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

OXFORD FARMERS DITCH NEAR NEPESTA CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (RIVER ONLY)

LOCATION.--Lat 38° 10' 44", Long 104° 8' 20", in the NE¼ SE¼ NW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, on the left bank downstream side of the Nepesta Road Bridge crossing the Arkansas River, 0.8 mi downstream of Kramer Creek, 9 mi downstream from Huerfano River, 1 mile NNW of the Nepesta Cemetery.

DRAINAGE AREA.--9,345 mi².

GAGE.--Sutron 8210 High Data Rate satellite-monitored data collection platform (DCP) with data logger and Sutron Accubar with constant nitrogen bubbling using a site feed assembly in a 4 ft x 4 ft steel shelter. The primary record is the DCP log data with satellite data used for backup. The primary reference gage is a wire weight gage attached to the bridge approximately 120 ft south of the shelter. Elevation of gage is 4,355 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for the periods: December 21-24, 29-31, 2006; January 1-31, February 1-6, 12-15, and March 1-7, 2007, when ice affected the stage-discharge relationship. Record is considered good, except during periods of ice affected record, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--ARKNEPC015 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

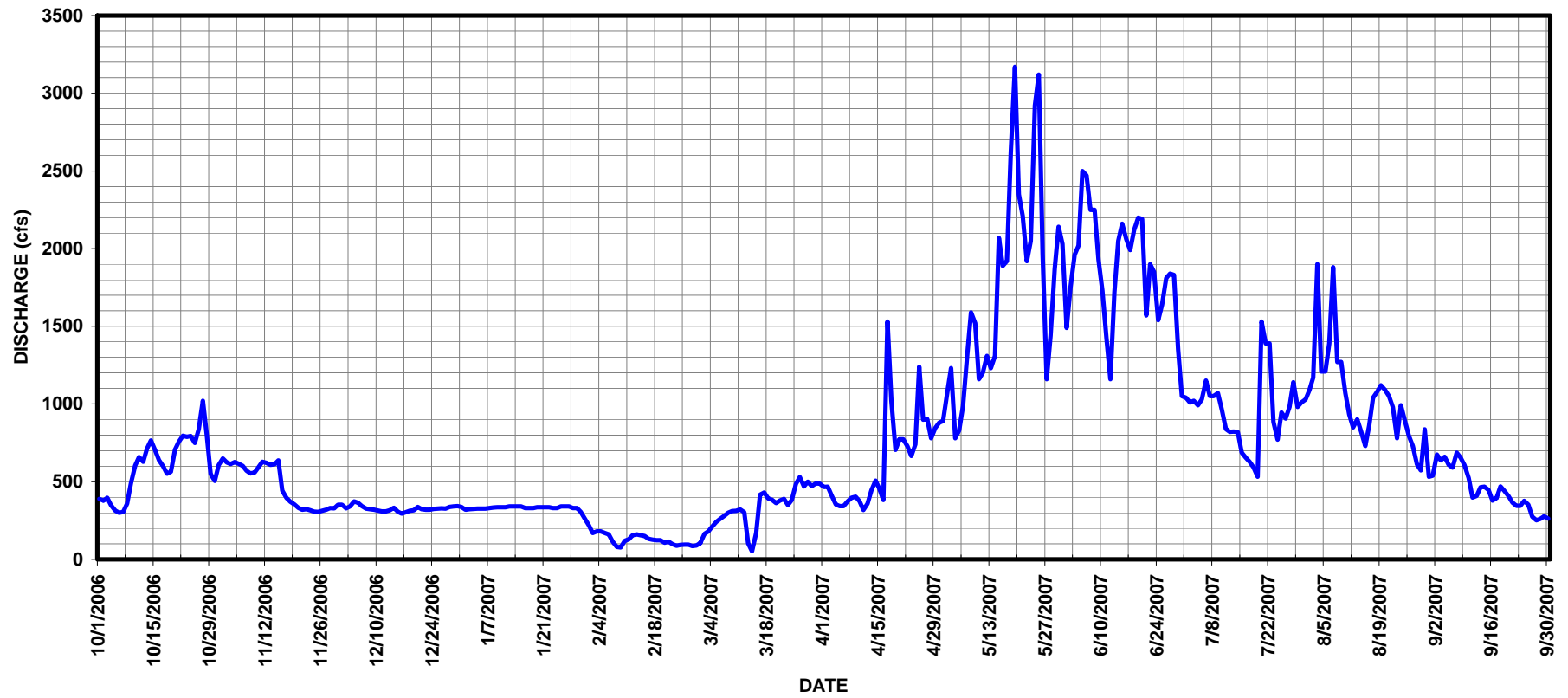
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	389	650	352	320	220	105	465	890	1490	1040	1090	539
2	378	624	328	322	170	165	468	1070	1750	1010	1170	674
3	396	614	341	324	180	180	410	1230	1960	1020	1900	637
4	347	626	372	326	180	210	353	779	2020	992	1210	660
5	314	616	364	326	170	240	342	829	2500	1030	1210	609
6	300	602	343	326	160	260	342	986	2470	1150	1390	591
7	305	571	326	330	114	280	373	1310	2250	1050	1880	687
8	359	553	322	334	81	300	396	1590	2250	1050	1270	655
9	490	558	319	335	76	311	403	1520	1930	1070	1270	607
10	603	592	314	335	119	313	375	1160	1730	965	1070	525
11	658	628	308	335	129	321	318	1200	1420	838	933	397
12	628	620	308	340	155	303	358	1310	1160	821	849	408
13	713	609	316	340	160	103	444	1230	1720	823	901	463
14	766	611	332	340	155	51	507	1310	2050	818	823	467
15	702	636	307	340	150	169	454	2070	2160	687	730	446
16	639	443	294	330	132	415	382	1890	2060	655	860	379
17	599	396	303	330	127	430	1530	1920	1990	628	1040	396
18	551	371	312	330	123	393	1020	2620	2120	592	1080	470
19	563	354	316	335	123	384	704	3170	2200	531	1120	440
20	707	332	338	335	107	363	773	2350	2190	1530	1090	407
21	757	319	322	335	114	379	773	2210	1570	1390	1050	366
22	796	322	320	335	98	388	728	1920	1900	1390	979	345
23	788	316	320	330	88	349	666	2050	1850	885	780	345
24	793	307	324	330	93	381	741	2920	1540	770	991	377
25	749	305	326	340	95	486	1240	3120	1640	946	889	352
26	836	313	328	340	94	529	899	1960	1810	906	794	274
27	1020	319	327	340	86	470	903	1160	1840	982	729	251
28	802	330	337	330	90	499	779	1440	1830	1140	612	260
29	550	329	340	330	---	471	845	1870	1350	982	573	277
30	504	351	342	305	---	488	880	2140	1050	1010	837	263
31	607	---	338	260	---	487	---	2030	---	1030	532	---
TOTAL	18609	14217	10139	10208	3589	10223	18871	53254	55800	29731	31652	13567
MEAN	600	474	327	329	128	330	629	1718	1860	959	1021	452
AC-FT	36910	28200	20110	20250	7120	20280	37430	105600	110700	58970	62780	26910
MAX	1020	650	372	340	220	529	1530	3170	2500	1530	1900	687
MIN	300	305	294	260	76	51	318	779	1050	531	532	251

CAL YR	2006	TOTAL	206867	MEAN	567	MAX	3870	MIN	85	AC-FT	410314
WTR YR	2007	TOTAL	269860	MEAN	739	MAX	3170	MIN	51	AC-FT	535300

MAX DISCH: 4180 CFS AT 01:45 ON Aug. 3, 2007 GH 14.53 FT. GH CORR. 0.10 FT. SHIFT -0.78 FT.
MAX GH: 14.63 FT. (GH CORR. 0.10 FT. APPLIED) AT 01:45 ON Aug. 3, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA CO (RIVER ONLY)
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (COMBINED)

LOCATION.--Lat 38° 10' 44", Long 104° 8' 20", in the NE¼ SE¼ NW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, on the left bank downstream side of the Nepesta Road Bridge crossing the Arkansas River, 0.8 mi downstream of Kramer Creek, 9 mi downstream from Huerfano River, 1 mile NNW of the Nepesta Cemetery.

DRAINAGE AREA.--9,345 mi².

REMARKS.-- The combined record of mean daily discharge was obtained by the addition of Oxford Farmers Ditch mean daily flows to the corresponding mean daily flows in the Arkansas River at Nepesta Road Bridge. The peak discharge for the year was 4260 cfs at 01:45 August 3, 2007. Combined record is fair, except during periods of estimated flow, which should be considered poor. The Arkansas River near Nepesta CO gaging station was moved from above the Oxford Farmers Ditch diversion to the Nepesta Road bridge below the diversion beginning October 1, 2000. For consistency and comparison with previously published historical record in this reach of the Arkansas River, the total Arkansas River flow is computed by combining the Oxford Ditch mean daily discharge with the mean daily discharge measured at Arkansas River at Nepesta Road Bridge near Nepesta CO gaging station. Record developed by Div. II Hydrographic Staff.

ARKANSAS RIVER AT NEPESTA BRIDGE AND OXFORD FARMERS DITCH (COMBINED)

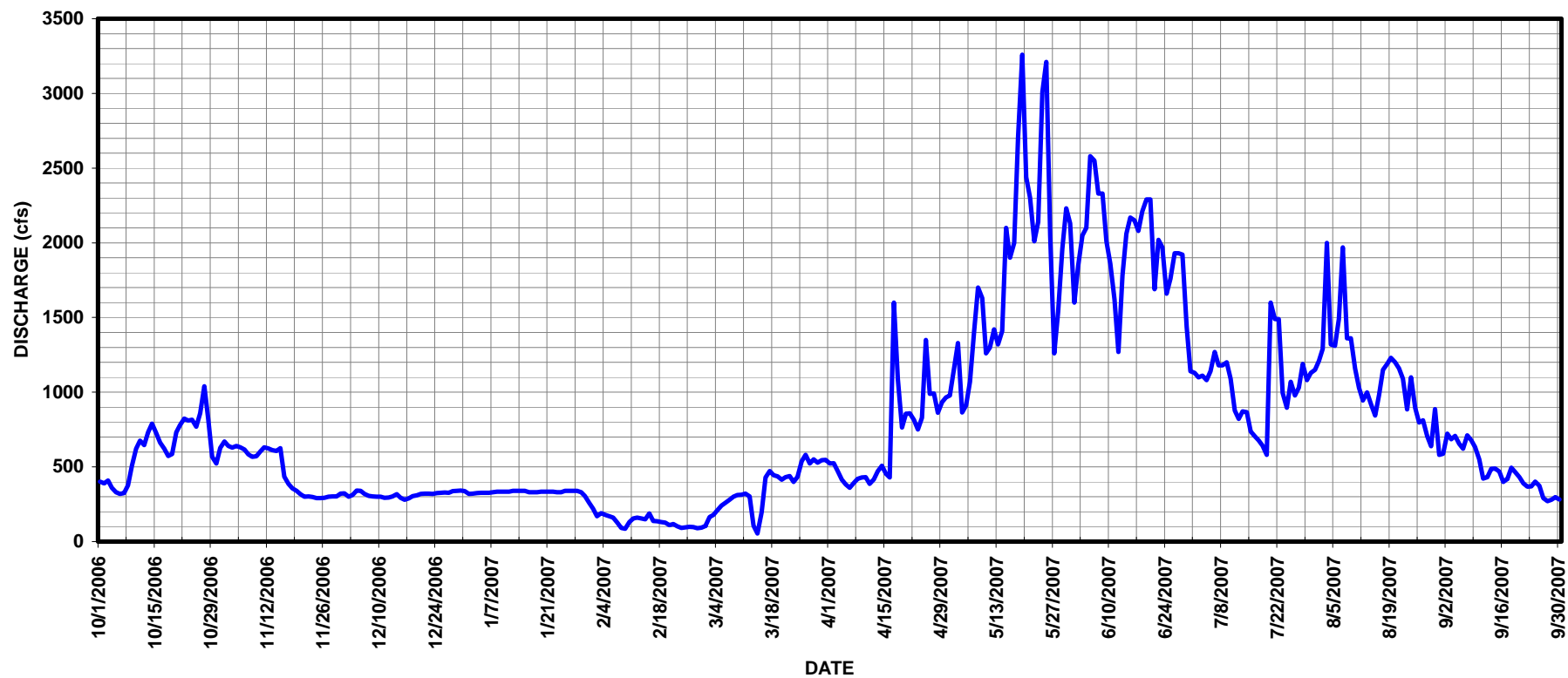
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	402	670	323	320	220	105	522	979	1600	1130	1210	588
2	391	641	301	322	170	165	524	1160	1850	1100	1290	723
3	409	630	312	324	190	180	472	1330	2050	1110	2000	686
4	360	641	342	326	180	210	415	865	2100	1080	1320	708
5	330	631	339	326	170	240	383	911	2580	1140	1310	656
6	319	616	320	326	160	260	361	1070	2550	1270	1490	622
7	324	584	306	330	128	280	392	1410	2330	1180	1970	712
8	378	567	302	334	91	300	420	1700	2330	1180	1360	680
9	508	571	301	335	85	311	430	1630	2010	1200	1360	632
10	621	603	301	335	130	313	431	1260	1860	1090	1160	550
11	676	631	294	335	155	321	387	1300	1620	877	1030	421
12	646	623	295	340	160	303	417	1420	1270	821	945	432
13	731	613	302	340	155	107	470	1320	1780	872	999	487
14	789	607	317	340	150	54	508	1410	2060	867	921	490
15	726	626	294	340	189	196	455	2100	2170	737	843	469
16	662	435	280	330	138	430	429	1900	2150	705	981	400
17	622	387	290	330	136	472	1600	2000	2080	678	1150	420
18	574	357	304	330	130	445	1090	2710	2210	642	1190	495
19	586	340	310	335	127	436	764	3260	2290	581	1230	465
20	731	317	320	335	111	415	855	2440	2290	1600	1200	432
21	781	301	322	335	118	431	859	2300	1690	1490	1160	390
22	823	302	322	335	102	439	814	2010	2020	1490	1090	368
23	811	299	320	330	92	400	751	2140	1970	995	885	369
24	815	291	324	330	96	433	829	3010	1660	896	1100	401
25	770	291	326	340	99	538	1350	3210	1760	1070	895	373
26	858	293	328	340	98	581	989	2050	1930	979	798	292
27	1040	300	327	340	89	522	991	1260	1930	1030	812	270
28	819	303	337	340	94	551	863	1540	1920	1190	706	280
29	567	302	340	330	---	528	934	1960	1440	1080	638	297
30	522	322	342	305	---	545	966	2230	1140	1130	887	282
31	627	---	338	260	---	547	---	2130	---	1150	581	---
TOTAL	19218	14094	9779	10218	3763	11058	20671	56015	58640	32360	34511	14390
MEAN	620	470	315	330	134	357	689	1807	1955	1044	1113	480
AC-FT	38120	27960	19400	20270	7460	21930	41000	111100	116300	64190	68450	28540
MAX	1040	670	342	340	220	581	1600	3260	2580	1600	2000	723
MIN	319	291	280	260	85	54	361	865	1140	581	581	270
CAL YR 2006	TOTAL	496093	MEAN	1359	MAX	1040	MIN	76	AC-FT	984000		
WTR YR 2007	TOTAL	284717	MEAN	780	MAX	3260	MIN	54	AC-FT	564700		

MAX DISCHARGE: 4260 CFS AT 01:45 ON Aug. 3, 2007.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE AND OXFORD FARMERS DITCH NEAR NEPESTA CO
(COMBINED)
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at the Catlin Canal flume, on right bank 0.9 mi downstream from diversion dam for Catlin Canal, 1.0 mi downstream from Apishapa River, and 6.0 mi east of Fowler.

DRAINAGE AREA AND PERIOD OF RECORD.--10,901 mi². October 1964 to current year.

GAGE.--Satellite-monitored data collection platform (Sutron Model 8210 HDR DCP), and Accubar in 8 ft by 8 ft shelter. Primary record is DCP data log. Satellite-monitored data used for backup purposes. Outside staff gage is primary reference gage. Cableway approximately 0.8 mile upstream. Catlin Canal flume gage height and USGS water quality monitor also monitored by this DCP. A floodblock was installed in Sept. 2007 to anchor the orifice line conduit for the river gage. In December 2005 the old orifice conduit moved due to ice heave, necessitating the new floodblock. New conduit was laid from the junction with the high water orifice line out to the river. A new muffler was installed.

REMARKS.--Record is complete and reliable, except for the following periods: Nov 30, Dec 1-6, 20-31, 2006, Jan 1-31, Feb 1-17, 2007, due to ice affecting the stage-discharge relationship; and Sep. 21-25, 2007, due to equipment problems/bad data during floodblock construction. Record good, except for periods of ice effect and equipment problems, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKCATC011 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	596	288	304	250	125	320	838	1470	1000	855	392
2	204	591	309	322	200	152	312	928	1520	967	828	436
3	261	592	310	324	220	236	271	1210	1850	926	1430	420
4	233	592	303	325	210	306	146	920	1740	914	1100	391
5	209	585	312	335	200	318	65	594	2000	892	926	369
6	201	583	308	326	190	352	61	913	1940	1000	1030	328
7	190	560	369	315	158	370	60	1050	1820	924	1600	352
8	233	528	331	323	121	303	108	1380	1720	880	1350	411
9	348	506	328	322	115	309	132	1320	1630	909	1130	378
10	478	505	341	324	160	321	138	988	1530	835	1080	357
11	554	556	352	326	185	339	102	953	1240	667	838	242
12	571	583	338	340	190	333	118	1120	1200	624	663	200
13	610	588	315	340	185	284	265	1010	1550	569	712	196
14	712	627	302	340	180	113	374	930	1910	646	646	185
15	656	826	317	340	219	97	345	1390	1680	411	489	200
16	611	664	309	332	168	246	237	1710	1710	353	560	179
17	613	507	308	341	166	338	763	1390	1660	326	964	137
18	602	466	300	330	168	397	1170	1900	1620	274	1040	171
19	575	437	298	335	177	317	457	2360	1730	237	1130	238
20	615	420	317	335	190	281	553	2220	1660	663	1050	178
21	635	400	314	335	185	242	569	1800	1380	1390	961	145
22	637	393	322	335	178	275	572	1650	1400	1290	895	145
23	664	387	311	314	147	252	536	1570	1460	882	660	145
24	685	369	312	312	142	253	634	2310	1110	596	742	170
25	686	340	313	320	134	317	1070	2520	1080	606	669	170
26	766	319	315	322	131	408	1080	2040	1520	739	634	146
27	1020	299	316	327	119	371	943	1360	2400	637	525	92
28	961	310	324	335	120	333	763	1150	1970	881	487	82
29	636	322	341	321	---	324	810	1800	1450	932	393	92
30	410	297	327	305	---	313	850	1900	894	828	1180	70
31	493	---	317	260	---	318	---	1900	---	851	500	---
TOTAL	16260	14748	9867	10065	4808	8943	13824	45124	47844	23649	27067	7017
MEAN	525	492	318	325	172	288	461	1456	1595	763	873	234
AC-FT	32250	29250	19570	19960	9540	17740	27420	89500	94900	46910	53690	13920
MAX	1020	826	369	341	250	408	1170	2520	2400	1390	1600	436
MIN	190	297	288	260	115	97	60	594	894	237	393	70

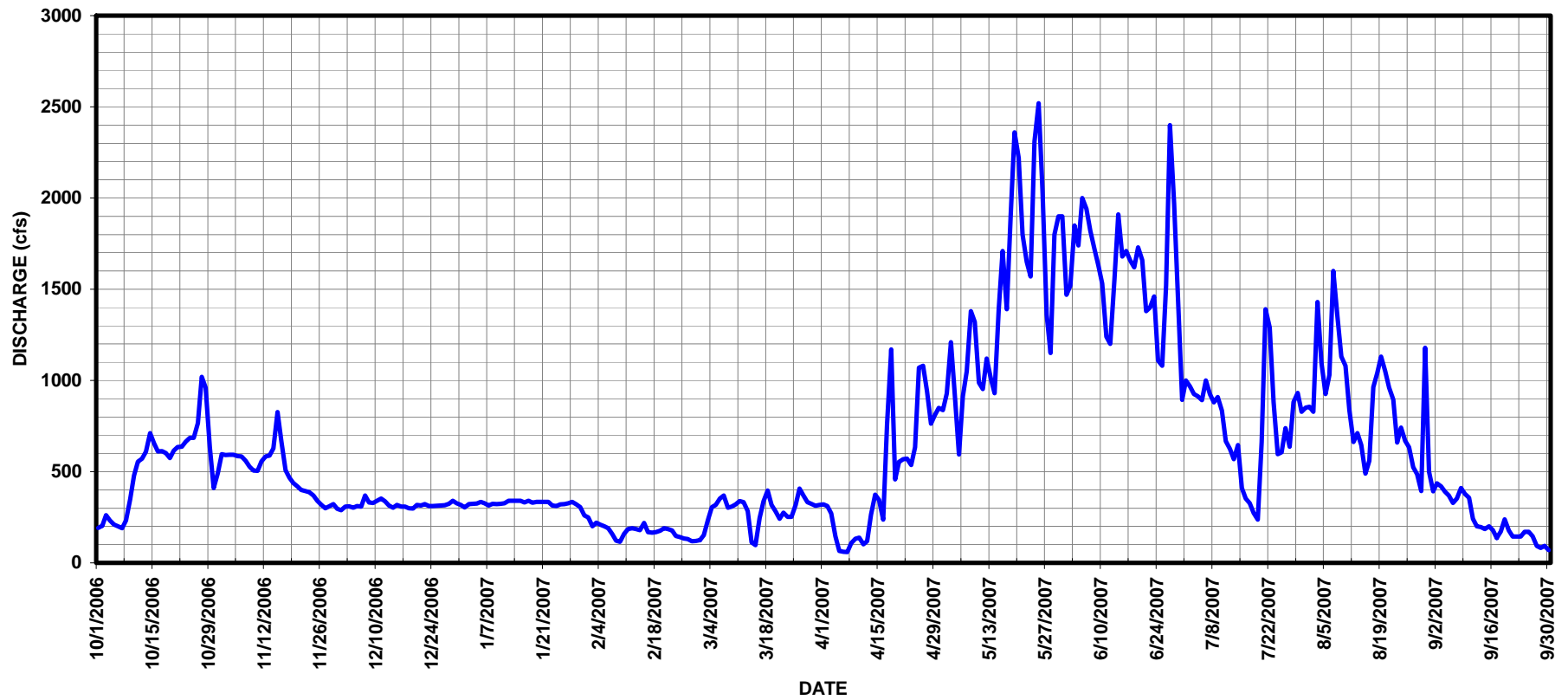
CAL YR	2006	TOTAL	170344	MEAN	467	MAX	3610	MIN	49	AC-FT	410100
WTR YR	2007	TOTAL	229216	MEAN	628	MAX	2520	MIN	60	AC-FT	454600

MAX DISCH: 3480 CFS AT 02:30 ON Jun. 27, 2007 GH 5.89 FT. SHIFT -0.19 FT.

MAX GH: 5.89 FT. AT 02:30 ON Jun. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07119700 ARKANSAS RIVER BELOW CATLIN DAM NEAR FOWLER CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A.

GAGE.--Float-activated graphic water-stage recorder and shaft encoder in 8' x 8' shelter with well (with equipment for Arkansas River below Catlin Dam near Fowler CO river gage). Shaft encoder is connected to satellite-monitored data collection platform (DCP) used for river gage. Primary record is DCP log file with the graphic chart recorder used for backup purposes. Fifteen-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by A. Adame.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

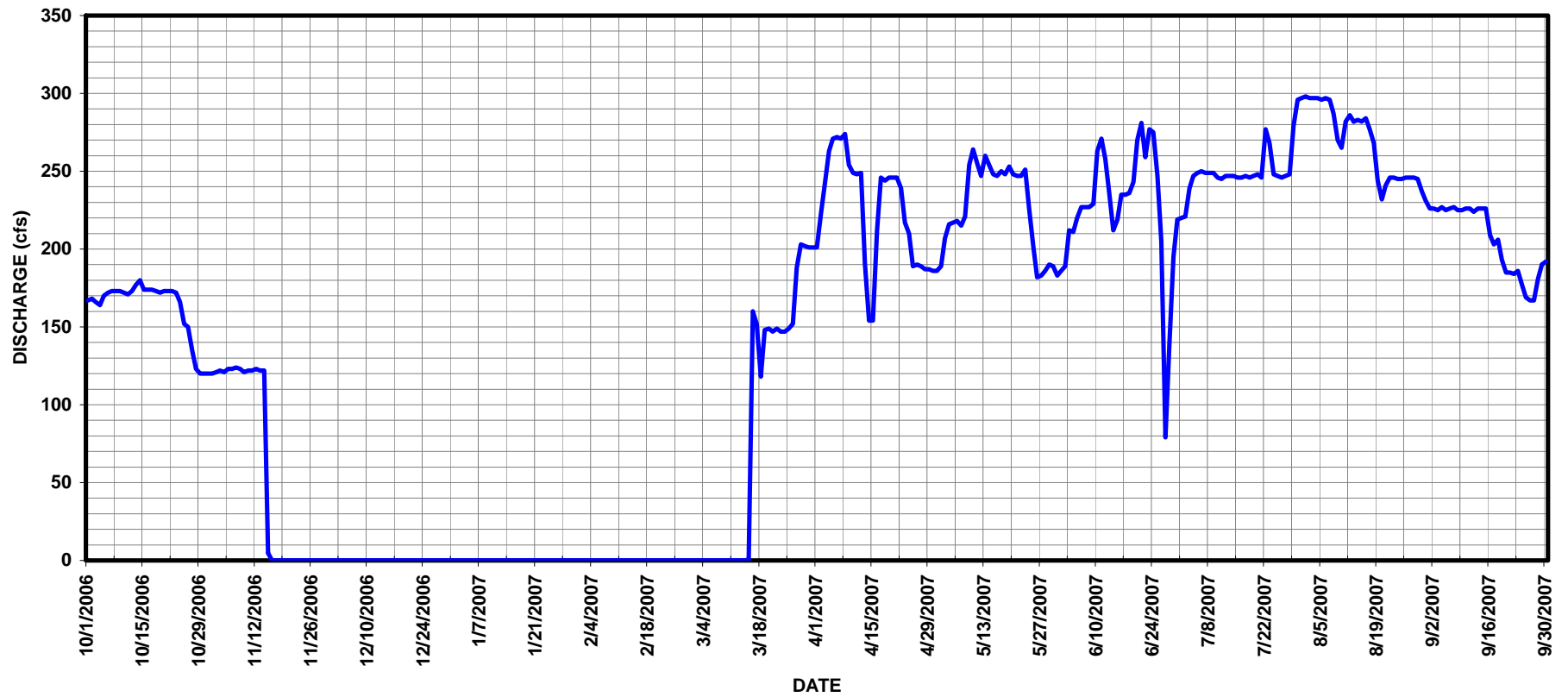
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	120	0	0	0	0	201	186	186	220	298	226
2	168	121	0	0	0	0	223	189	189	221	297	226
3	166	122	0	0	0	0	242	207	212	239	297	225
4	164	121	0	0	0	0	263	216	211	247	297	227
5	170	123	0	0	0	0	271	217	220	249	296	225
6	172	123	0	0	0	0	272	218	227	250	297	226
7	173	124	0	0	0	0	271	215	227	249	296	227
8	173	123	0	0	0	0	274	221	227	249	287	225
9	173	121	0	0	0	0	254	254	229	249	270	225
10	172	122	0	0	0	0	249	264	263	246	265	226
11	171	122	0	0	0	0	248	255	271	245	282	226
12	173	123	0	0	0	0	249	247	258	247	286	224
13	177	122	0	0	0	0	191	260	235	247	282	226
14	180	122	0	0	0	0	154	254	212	247	283	226
15	174	4.8	0	0	0	.52	154	248	219	246	282	226
16	174	0	0	0	0	160	212	247	235	246	284	209
17	174	0	0	0	0	152	246	250	235	247	277	203
18	173	0	0	0	0	118	244	248	236	246	268	206
19	172	0	0	0	0	148	246	253	243	247	244	193
20	173	0	0	0	0	149	246	248	270	248	232	185
21	173	0	0	0	0	147	246	247	281	246	241	185
22	173	0	0	0	0	149	239	247	259	277	246	184
23	172	0	0	0	0	147	217	251	277	268	246	186
24	166	0	0	0	0	147	210	226	275	248	245	177
25	152	0	0	0	0	149	189	202	247	247	245	169
26	150	0	0	0	0	152	190	182	205	246	246	167
27	135	0	0	0	0	188	189	183	79	247	246	167
28	123	0	0	0	0	203	187	186	138	248	246	181
29	120	0	0	0	---	202	187	190	195	279	245	190
30	120	0	0	0	---	201	186	189	219	296	237	192
31	120	---	0	0	---	201	---	183	---	297	231	---
TOTAL	5043	1713.8	0	0	0	2613.52	6750	6983	6780	7784	8294	6180
MEAN	163	57.1	0	0	0	84.3	225	225	226	251	268	206
AC-FT	10000	3400	0	0	0	5180	13390	13850	13450	15440	16450	12260
MAX	180	124	0	0	0	203	274	264	281	297	298	227
MIN	120	0	0	0	0	0	154	182	79	220	231	167

CAL YR	2006	TOTAL	43106.80	MEAN	118	MAX	345	MIN	0	AC-FT	85500
WTR YR	2007	TOTAL	52141.32	MEAN	143	MAX	298	MIN	0	AC-FT	103400

MAX DISCH: 302 CFS AT 19:15 ON Aug. 3, 2007 GH 2.81 FT. SHIFT 0 FT.
MAX GH: 2.81 FT. AT 19:15 ON Aug. 3, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07119705 CATLIN CANAL NEAR FOWLER CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM NEAR FOWLER, CO (COMBINED)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County.

DRAINAGE AREA.--10,901 mi².

REMARKS.--The combined record of discharges was obtained by the addition of Catlin Canal daily flows to the corresponding daily flows in the Arkansas River below Catlin Dam. The peak discharge for the year was 3490 cfs at 02:30 June 27, 2007. Combined record is good, except during periods of estimated flow, which should be considered poor. Record developed by Div. II Hydrographic Staff.

ARKANSAS RIVER AND CATLIN CANAL (COMBINED)

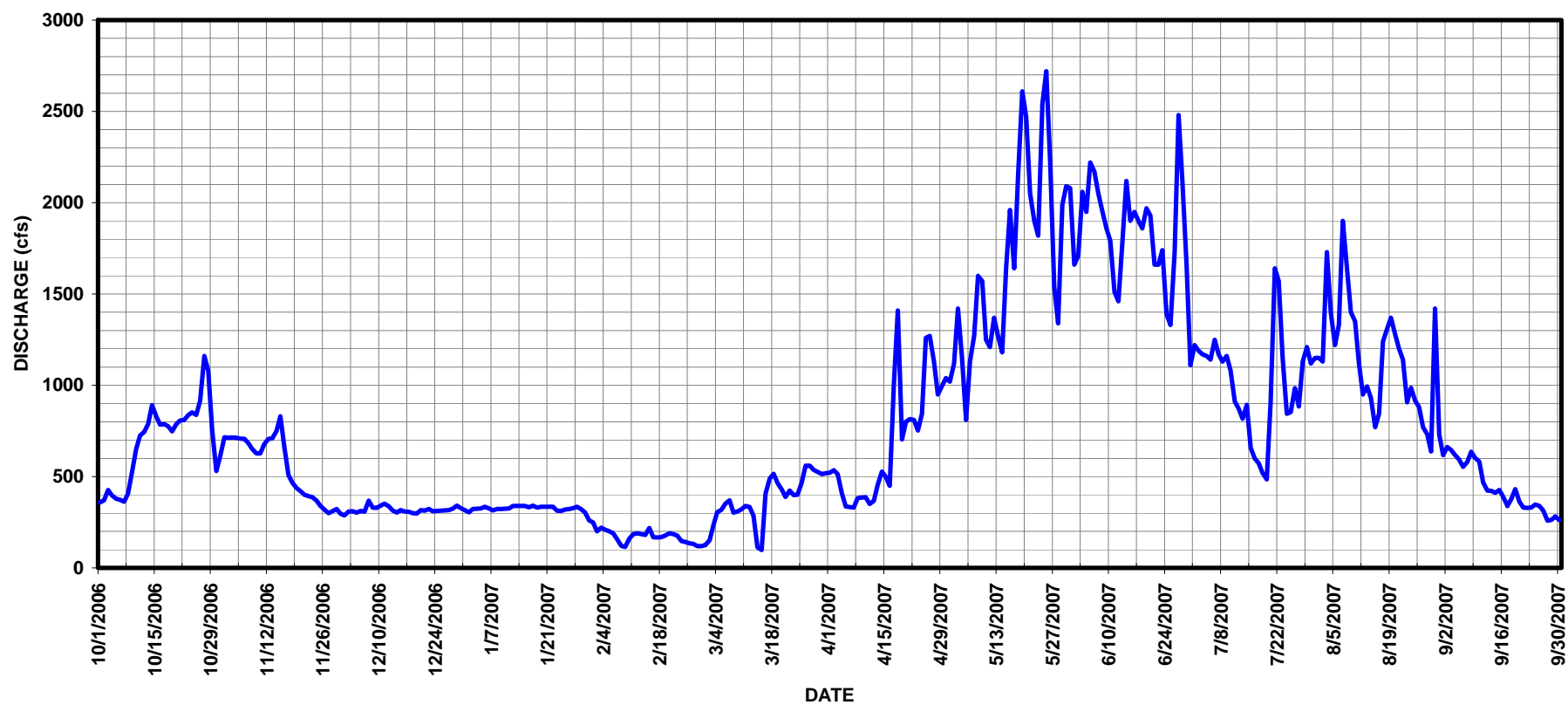
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	358	716	288	304	250	125	521	1020	1660	1220	1150	618
2	372	712	309	322	200	152	535	1120	1710	1190	1130	662
3	427	714	310	324	220	236	513	1420	2060	1170	1730	645
4	397	713	303	325	210	306	409	1140	1950	1160	1400	618
5	379	708	312	335	200	318	336	811	2220	1140	1220	594
6	373	706	308	326	190	352	333	1130	2170	1250	1330	554
7	363	684	369	315	158	370	331	1270	2050	1170	1900	579
8	406	651	331	323	121	303	382	1600	1950	1130	1640	636
9	521	627	328	322	115	309	386	1570	1860	1160	1400	603
10	650	627	341	324	160	321	387	1250	1790	1080	1350	583
11	725	678	352	326	185	339	350	1210	1510	912	1120	468
12	744	706	338	340	190	333	367	1370	1460	871	949	424
13	787	710	315	340	185	284	456	1270	1790	816	994	422
14	892	749	302	340	180	113	528	1180	2120	893	929	411
15	830	831	317	340	219	98	499	1640	1900	657	771	426
16	785	664	309	332	168	406	449	1960	1950	599	844	388
17	787	507	308	341	166	490	1010	1640	1900	573	1240	340
18	775	466	300	330	168	515	1410	2150	1860	520	1310	377
19	747	437	298	335	177	465	703	2610	1970	484	1370	431
20	788	420	317	335	190	430	799	2470	1930	911	1280	363
21	808	400	314	335	185	389	815	2050	1660	1640	1200	330
22	810	393	322	335	178	424	811	1900	1660	1570	1140	329
23	836	387	311	314	147	399	753	1820	1740	1150	906	331
24	851	369	312	312	142	400	844	2540	1390	844	987	347
25	838	340	313	320	134	466	1260	2720	1330	853	914	339
26	916	319	315	322	131	560	1270	2220	1730	985	880	313
27	1160	299	316	327	119	559	1130	1540	2480	884	771	259
28	1080	310	324	335	120	536	950	1340	2110	1130	733	263
29	756	322	341	321	---	526	997	1990	1650	1210	638	282
30	530	297	327	305	---	514	1040	2090	1110	1120	1420	262
31	613	---	317	260	---	519	---	2080	---	1150	731	---
TOTAL	21304	16462	9867	10065	4808	11557	20574	52121	54670	31442	35377	13197
MEAN	687	549	318	325	172	373	686	1681	1822	1014	1141	440
AC-FT	42260	32650	19570	19960	9540	22920	40810	103400	108400	62370	70170	26180
MAX	1160	831	369	341	250	560	1410	2720	2480	1640	1900	662
MIN	358	297	288	260	115	98	331	811	1110	484	638	259
CAL YR	2006	TOTAL	213524	MEAN	585	MAX	3870	MIN	49	AC-FT	423500	
WTR YR	2007	TOTAL	281444	MEAN	771	MAX	2720	MIN	98	AC-FT	558200	

MAX. DISCHARGE: 3490 CFS AT 02:30 ON Jun. 27,2007.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07119700 ARKANSAS RIVER BELOW CATLIN DAM AND CATLIN CANAL NEAR FOWLER CO (COMBINED)
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07120500 ARKANSAS RIVER NEAR ROCKY FORD, CO

LOCATION.--Lat 38°03'52", Long 103°41'24" in SE ¼, NW ¼, Sec. 9, T23S, R56W, Hydrologic Unit 11020005, Otero County, on right bank of Arkansas River, approximately 250 feet upstream from State Highway 266, and approximately 1.6 miles NE of Rocky Ford, Colorado.

DRAINAGE AREA AND PERIOD OF RECORD.--Undetermined. Gage established October 8, 1992.

GAGE.--High data rate Sutron 8210 DCP and Accububble in a 4' x 4' steel gage shelter. A wire weight gage installed on upstream side of Hwy 266 bridge is the primary reference gage. Primary record is DCP log data with satellite-monitored data used for backup purposes. Elevation of gage datum is 4130.46 ft MSL.

REMARKS.--Record is complete and reliable for the entire water year, except for the following period(s): Nov 30, Dec 1-5, 20-31, 2006, Jan 1-31, Feb 1-6, and 11-16, 2007, due to ice affecting the stage-discharge relationship. Record is fair except for periods of ice effect which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKROCCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

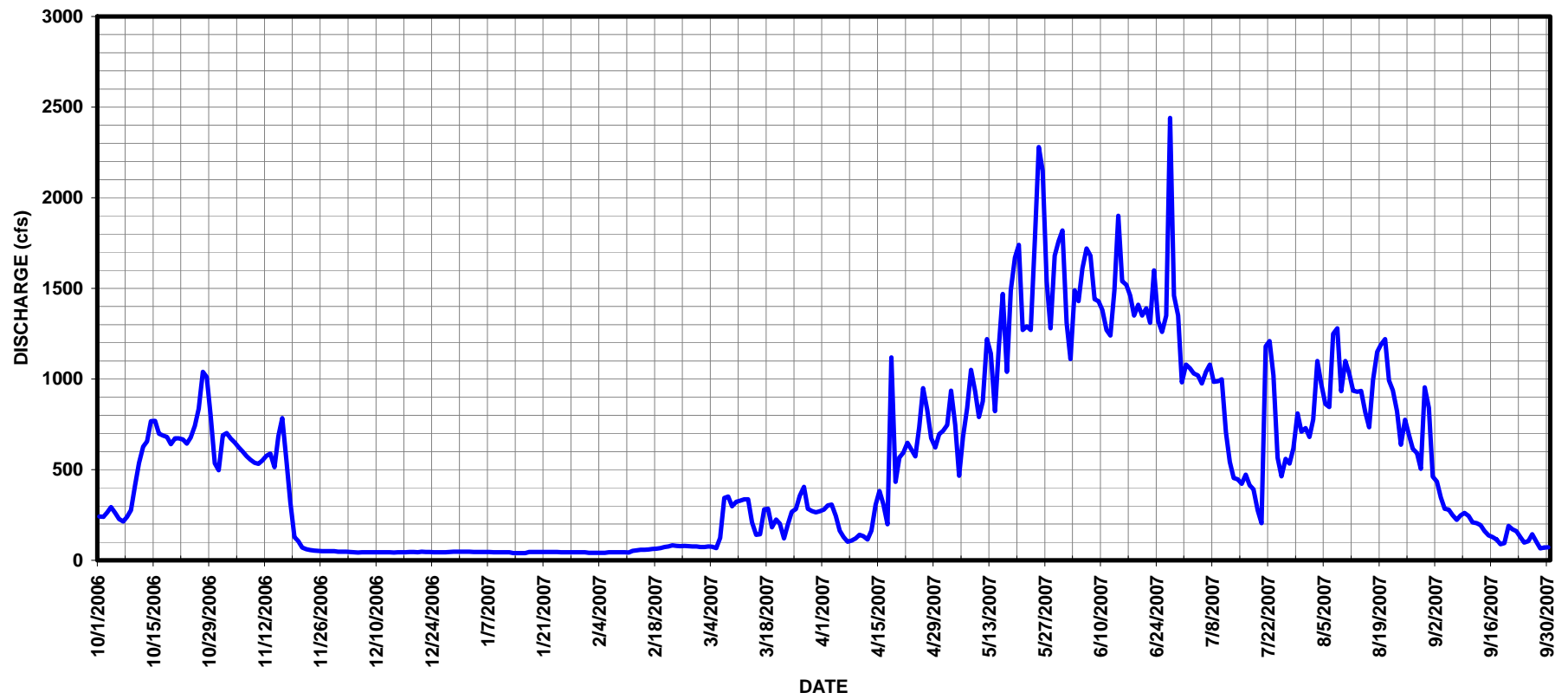
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	689	48	48	42	73	280	714	1310	1080	681	462
2	240	702	48	48	42	74	302	746	1110	1060	777	434
3	264	673	46	46	42	76	308	936	1490	1030	1100	347
4	294	650	45	46	42	75	245	746	1430	1020	973	285
5	261	624	43	46	42	68	163	466	1610	976	862	280
6	228	599	45	46	44	124	128	680	1720	1040	845	249
7	214	575	44	46	44	344	103	840	1680	1080	1250	223
8	240	555	44	44	44	351	109	1050	1440	985	1280	248
9	277	538	45	44	44	298	121	931	1430	988	933	261
10	416	532	45	44	44	322	140	790	1380	998	1100	244
11	537	550	45	44	43	328	133	877	1270	706	1030	210
12	627	577	45	44	52	337	114	1220	1240	543	936	205
13	656	588	44	40	55	336	163	1140	1490	454	930	194
14	768	513	43	40	58	209	306	822	1900	447	934	162
15	769	685	44	40	58	141	382	1180	1540	422	816	138
16	699	784	44	40	60	143	311	1470	1520	473	734	128
17	688	552	45	46	62	282	199	1040	1460	414	996	115
18	680	322	46	46	64	284	1120	1490	1350	391	1150	89
19	640	129	46	46	68	182	433	1670	1410	276	1190	95
20	673	105	45	46	73	225	568	1740	1350	205	1220	189
21	673	71	47	46	76	202	594	1270	1390	1180	992	171
22	666	61	46	46	82	121	649	1290	1310	1210	937	160
23	644	57	46	46	80	199	611	1270	1600	1020	823	128
24	677	53	45	46	78	268	573	1770	1320	566	637	98
25	741	52	45	45	80	283	734	2280	1260	463	775	105
26	836	51	45	45	78	357	949	2150	1350	560	692	143
27	1040	50	45	45	76	405	829	1540	2440	533	615	102
28	1010	50	46	45	76	284	675	1280	1460	618	591	65
29	798	51	47	45	---	272	622	1680	1350	811	504	71
30	535	48	47	45	---	264	696	1760	981	710	954	72
31	497	---	48	45	---	271	---	1820	---	729	841	---
TOTAL	17530	11486	1407	1389	1649	7198	12560	38658	43591	22988	28098	5673
MEAN	565	383	45.4	44.8	58.9	232	419	1247	1453	742	906	189
AC-FT	34770	22780	2790	2760	3270	14280	24910	76680	86460	45600	55730	11250
MAX	1040	784	48	48	82	405	1120	2280	2440	1210	1280	462
MIN	214	48	43	40	42	68	103	466	981	205	504	65
CAL YR 2006	TOTAL	145244	MEAN	398	MAX	2420	MIN	25	AC-FT	288100		
WTR YR 2007	TOTAL	192227	MEAN	527	MAX	2440	MIN	40	AC-FT	381300		

MAX DISCH: 4030 CFS AT 07:30 ON Jun. 27, 2007 GH 5.06 FT. GH CORR. -0.10 FT. SHIFT -0.19 FT.
MAX GH: 4.96 FT. (GH CORR. -0.10 FT. APPLIED) AT 07:30 ON Jun. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07120500 ARKANSAS RIVER NEAR ROCKY FORD CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07122400 CROOKED ARROYO NEAR SWINK, CO

LOCATION.--Lat 37°58'56", long 103°35'52", in SW¼SW¼ sec. 5, T.24 S., R.55 W., Otero County, on right bank 54 ft. downstream from bridge on State Highway 10, 2.0 mi. upstream from mouth, and 2.8 mi. southeast of Swink.

DRAINAGE AREA.--108 mi².

GAGE.--High data rate Sutron 8210 DCP and Accububble installed in a 4' x 4' steel shelter. Primary record is DCP log file with satellite-monitored data used for backup. Primary reference gage was a staff gage from the beginning of WY07 until it was damaged by others on or around May 16, 2007. Beginning with the May 30, 2007 site visit a temporary reference gage was used by taping down to the water surface from RP#3. The temporary reference gage was used until July 18, 2007, when a new staff gage was installed. Primary reference gage is now the staff gage. A new bubbler line and muffler were installed on May 30, 2007, after channel work by others damaged gage equipment. A new Sutron 8210 DCP was installed on July 11, 2007. Elevation of gage is 4,100 ft. above sea level.

REMARKS.--Record is complete and reliable, except for the following period(s): May 16-30, 2007, due to a damaged orifice line (damaged by others constructing a new water line crossing in the channel); and July 11, 2007, due to a DCP malfunction. Record is rated fair for the entire water year, except for periods of damaged and malfunctioning equipment, which are rated poor. Station maintained and record developed by Adam Adame.

RATING TABLE.--CANSWKCO06 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

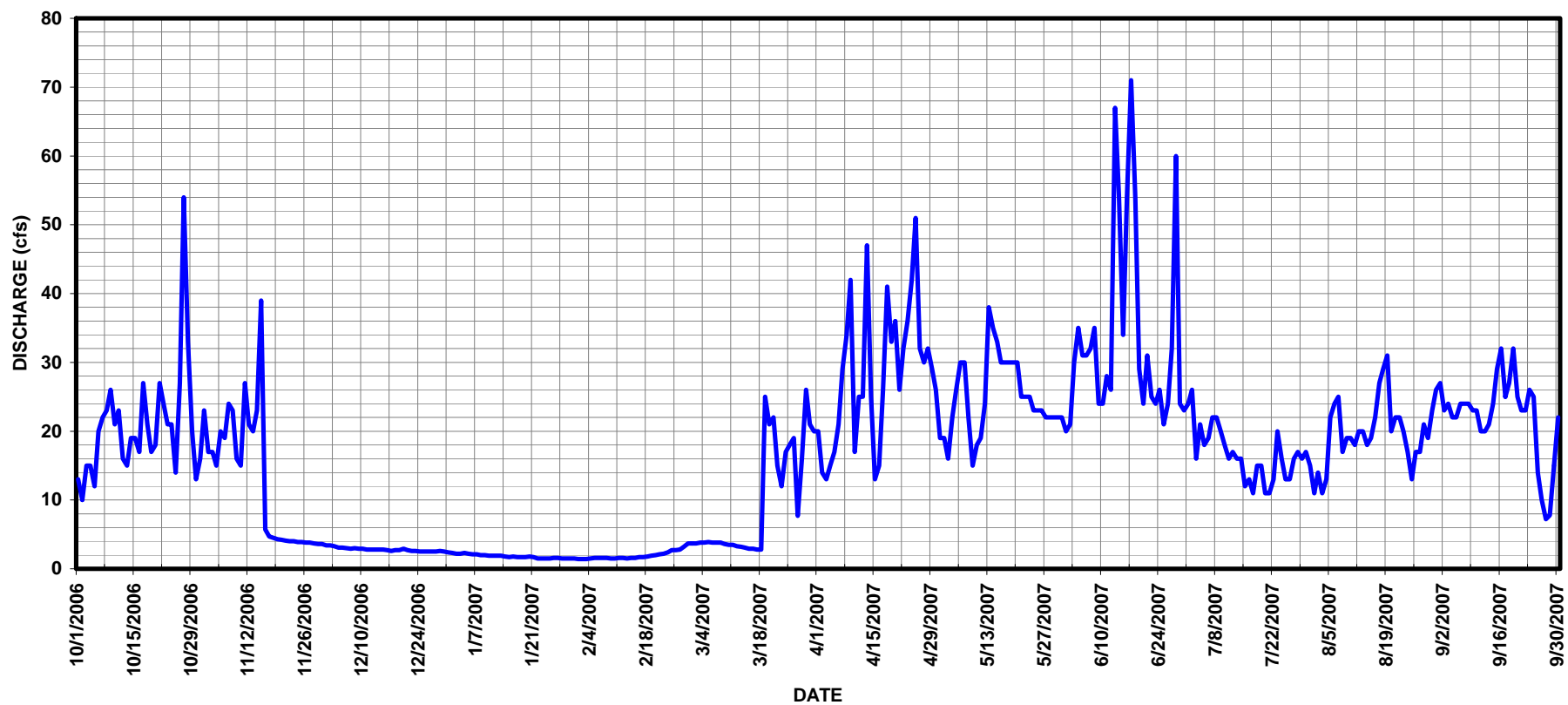
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	23	3.4	2.3	1.4	3.7	20	19	20	24	11	27
2	10	17	3.4	2.2	1.4	3.7	14	19	21	26	14	23
3	15	17	3.3	2.2	1.4	3.8	13	16	30	16	11	24
4	15	15	3.1	2.3	1.5	3.8	15	22	35	21	13	22
5	12	20	3.1	2.2	1.6	3.9	17	26	31	18	22	22
6	20	19	3.0	2.1	1.6	3.8	21	30	31	19	24	24
7	22	24	2.9	2.1	1.6	3.8	29	30	32	22	25	24
8	23	23	3.0	2.0	1.6	3.8	34	22	35	22	17	24
9	26	16	2.9	2.0	1.5	3.6	42	15	24	20	19	23
10	21	15	2.9	1.9	1.5	3.5	17	18	24	18	19	23
11	23	27	2.8	1.9	1.6	3.5	25	19	28	16	18	20
12	16	21	2.8	1.9	1.6	3.3	25	24	26	17	20	20
13	15	20	2.8	1.9	1.5	3.2	47	38	67	16	20	21
14	19	23	2.8	1.8	1.6	3.1	25	35	54	16	18	24
15	19	39	2.8	1.7	1.6	2.9	13	33	34	12	19	29
16	17	5.7	2.7	1.8	1.7	2.9	15	30	54	13	22	32
17	27	4.7	2.6	1.7	1.7	2.8	26	30	71	11	27	25
18	21	4.5	2.7	1.7	1.8	2.8	41	30	54	15	29	27
19	17	4.3	2.7	1.7	1.9	25	33	30	29	15	31	32
20	18	4.2	2.9	1.8	2.0	21	36	30	24	11	20	25
21	27	4.1	2.7	1.7	2.1	22	26	25	31	11	22	23
22	24	4.0	2.6	1.5	2.2	15	32	25	25	13	22	23
23	21	4.0	2.6	1.5	2.4	12	36	25	24	20	20	26
24	21	3.9	2.5	1.5	2.7	17	42	23	26	16	17	25
25	14	3.9	2.5	1.5	2.7	18	51	23	21	13	13	14
26	27	3.8	2.5	1.6	2.8	19	32	23	24	13	17	10
27	54	3.8	2.5	1.6	3.2	7.7	30	22	32	16	17	7.2
28	33	3.7	2.5	1.5	3.7	16	32	22	60	17	21	7.8
29	20	3.6	2.6	1.5	---	26	29	22	24	16	19	15
30	13	3.6	2.5	1.5	---	21	26	22	23	17	23	22
31	16	---	2.4	1.5	---	20	---	22	---	15	26	---
TOTAL	639	380.8	86.5	56.1	53.9	301.6	844	770	1014	515	616	664.0
MEAN	20.6	12.7	2.79	1.81	1.93	9.73	28.1	24.8	33.8	16.6	19.9	22.1
AC-FT	1270	755	172	111	107	598	1670	1530	2010	1020	1220	1320
MAX	54	39	3.4	2.3	3.7	26	51	38	71	26	31	32
MIN	10	3.6	2.4	1.5	1.4	2.8	13	15	20	11	11	7.2

CAL YR	2006	TOTAL	3533.3	MEAN	9.68	MAX	63	MIN	0.8	AC-FT	7010
WTR YR	2007	TOTAL	5940.9	MEAN	16.3	MAX	71	MIN	1.4	AC-FT	11780

MAX DISCH: 158 CFS at 17:00 ON JUNE 13, 2007, GH 5.02 FT. GH CORR. -0.60 FT. SHIFT -0.65 FT.
MAX GH: 4.42 FT. (GH CORR. -0.60 FT. APPLIED) AT 17:00 ON June 13, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07122400 CROOKED ARROYO NEAR SWINK CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

LOCATION.--Lat 37°59'26", long 103°31'55" (NAD83), in SW1/4 SE1/4 NE1/4 sec. 2, T.24 S., R.55 W., Otero County, Hydrologic Unit 11020005, on right bank at upstream side of bridge on State Highway 109 in La Junta, 450 ft upstream from King Arroyo at La Junta CO.

DRAINAGE AREA AND PERIOD OF RECORD.--12,210 mi². Staff gage originally established by USGS in 1889, with sporadic data and various locations. Water stage recorder in use since Oct. 1933 at several locations also. Gage site in continuous use since then.

GAGE.--Satellite-monitored data collection platform (Sutron 8210 DCP), and Accububble in 4 ft x 4 ft steel shelter. DCP log file is primary record with satellite data used for backup. Wire-weight gage on bridge serves as primary reference gage. The Sutron Accububbler gage (installed March 2000) was removed and replaced with the Sutron Constant Flow Bubbler on 21 March 2007. Datum of gage is 4040.98 ft above mean sea level, NAVD 88 (computed at 10/4/07 level run from NGS benchmark on north side of Hwy 109 bridge). See WSP 1711 or 1731 for history of changes prior to June 13, 1940. June 13, 1940, to June 6, 1967, water-stage recorder at site 300 ft upstream at present datum.

REMARKS.--Record is complete and reliable, except for: November 29-30, December 1-4, 17, 2006, January 1-29, February 9-13, 2007, when ice affected the stage-discharge relationship; and Jan 30-31, Feb 8, 14-22, 2007, due to Accububbler problems associated with ice in the orifice line. Record good, except for periods of ice affected record and equipment problems, which should be considered poor. Station maintained by A. Adame and record developed by M.A. Perry.

RATING TABLE.--ARKLAJCO41 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

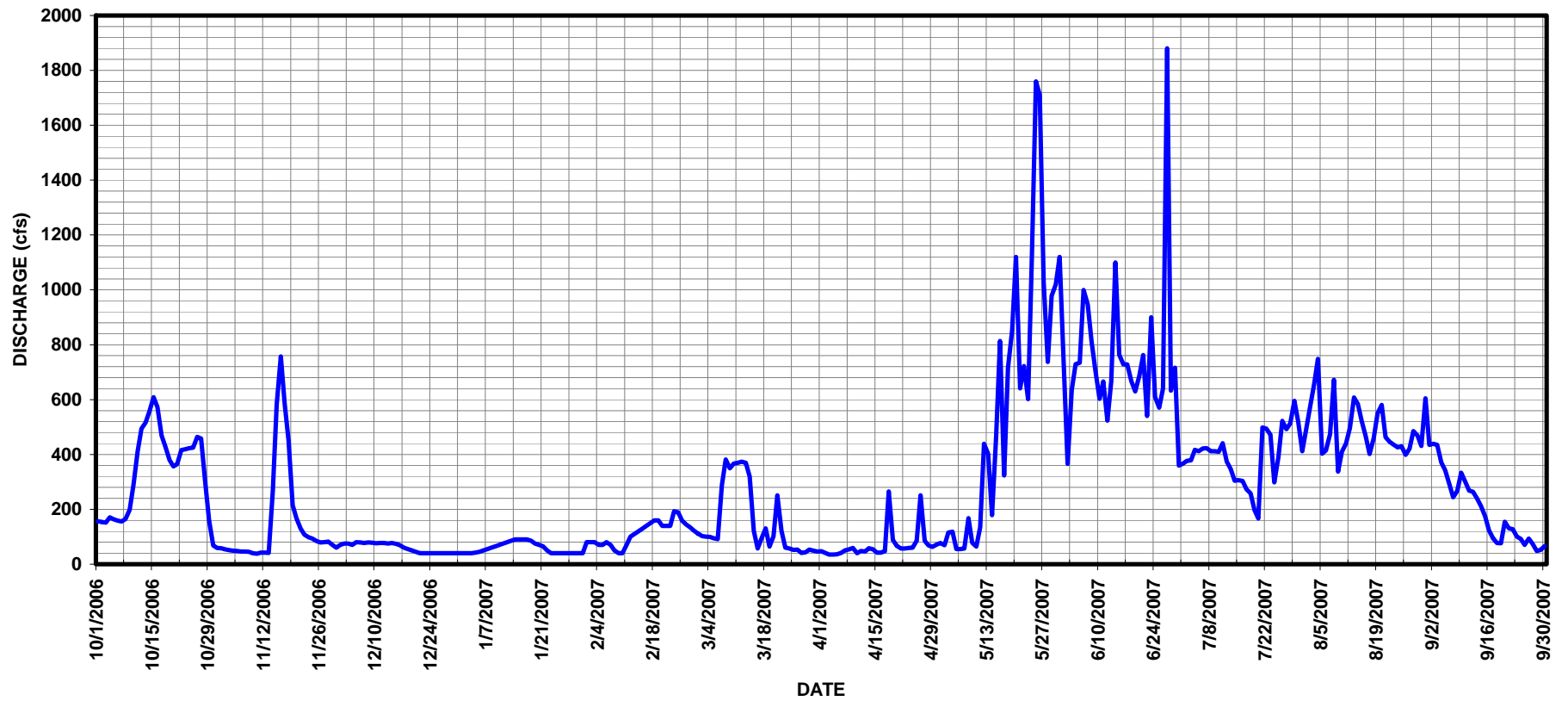
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	58	70	40	80	111	47	77	726	367	490	435
2	154	54	75	40	80	102	41	69	366	377	571	439
3	152	51	75	40	80	100	35	116	635	379	655	435
4	171	49	70	42	70	99	35	119	729	417	748	371
5	164	48	80	45	70	94	36	55	734	412	403	343
6	159	46	79	50	80	91	41	55	1000	422	415	292
7	156	46	77	55	70	287	50	57	947	423	474	244
8	165	45	79	60	50	382	54	168	812	412	672	267
9	198	40	78	65	40	350	59	78	705	412	338	334
10	289	38	76	70	40	367	40	64	603	410	410	300
11	411	42	77	75	70	370	48	135	666	441	440	268
12	494	42	77	80	100	374	46	439	523	374	496	264
13	516	41	75	85	110	370	58	402	667	348	608	239
14	558	268	77	90	120	319	54	179	1100	304	584	212
15	609	582	74	90	130	122	42	466	763	306	521	175
16	573	757	69	90	140	57	42	814	728	303	466	124
17	469	585	60	90	150	96	47	323	728	273	402	94
18	428	452	55	85	160	131	265	716	667	258	459	77
19	380	215	50	75	160	64	88	852	630	198	549	76
20	357	167	45	70	140	101	67	1120	687	167	581	155
21	365	130	40	65	140	251	57	641	762	498	463	131
22	416	107	40	50	140	122	57	722	540	494	446	128
23	419	98	40	40	193	60	59	602	900	472	436	100
24	423	93	40	40	189	57	60	1130	610	298	426	92
25	425	84	40	40	159	52	85	1760	571	391	430	70
26	464	79	40	40	145	53	251	1710	641	522	399	93
27	458	80	40	40	135	41	85	1030	1880	492	421	74
28	298	82	40	40	122	43	68	737	633	513	485	48
29	160	70	40	40	---	53	63	978	716	596	469	52
30	68	60	40	40	---	49	71	1020	360	518	431	66
31	59	---	40	40	---	46	---	1120	---	412	605	---
TOTAL	10115	4509	1858	1812	3163	4814	2051	17754	22029	12209	15293	5998
MEAN	326	150	59.9	58.5	113	155	68.4	573	734	394	493	200
AC-FT	20060	8940	3690	3590	6270	9550	4070	35220	43690	24220	30330	11900
MAX	609	757	80	90	193	382	265	1760	1880	596	748	439
MIN	59	38	40	40	40	41	35	55	360	167	338	48

CAL YR	2006	TOTAL	85103	MEAN	233	MAX	2100	MIN	15	AC-FT	168800
WTR YR	2007	TOTAL	101605	MEAN	278	MAX	1880	MIN	35	AC-FT	201500

MAX DISCH: 3100 CFS AT 16:30 ON Jun.27, 2007 GH 11.42 FT. SHIFT -1.89 FT.
MAX GH: 11.42 FT. AT 16:30 ON Jun.27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07123000 ARKANSAS RIVER AT LA JUNTA CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07123675 HORSE CREEK AT HIGHWAY 194 NEAR LAS ANIMAS, CO

LOCATION.--Lat 38°05'06", long 103°21'12", in SE1/4,SW1/4, sec. 33, T.22S., R.53 W., Bent County, Hydrological Unit 11020008, on right bank 15 ft upstream from right end of box culverts on State Highway 194, 3.2 mi upstream from mouth, 3.4 mi downstream from Ft. Lyon Canal Aqueduct, and 7.5 mi west of Las Animas, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--1403 sq mi. Established and operated Oct. 19, 1979 to Sep. 30, 1993 by USGS. Operated and maintained by State of Colorado, Oct. 01, 1993 to present.

GAGE.--Accububble and satellite-monitored data collection platform (Sutron 8210 HDR DCP) in a 4' x 4' steel shelter. Primary record is DCP data log with satellite-monitored data used for backup purposes. Primary reference gage is a staff gage on the right side of the channel just upstream of the concrete weir control. A tipping bucket raingage is also operated at the site. A new 8210 DCP was installed on Aug. 23, 2007. A new muffler and orifice line for the Accububble gage were installed on Aug. 29, 2007. Elevation of gage is 3975 ft above mean sea level from topographic map.

REMARKS.--Record is complete and reliable, except for the following period(s): Dec. 20, 21, and 29-31, 2006, Jan. 1-2, 15-17, Feb. 2-4, 2007, due to ice on control affecting the stage-discharge relationship; and, July 1 - Aug. 29, 2007, when problems with orifice line and muffler on Accububble gage caused gage to not respond properly to changes in gage height. Large datum corrections had to be made to the Accububble gage on July 30, Aug. 25, 29, 2007. Record good, except during periods of ice affected gage height record and problems with the Accububble orifice line and muffler, which should be considered poor. Peak gage height and discharge should also be considered poor as they occurred during period of accububbler problems. Station maintained by A. Adame and record developed by A. Adame and M.A. Perry.

RATING TABLE.--HRC194CO07 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

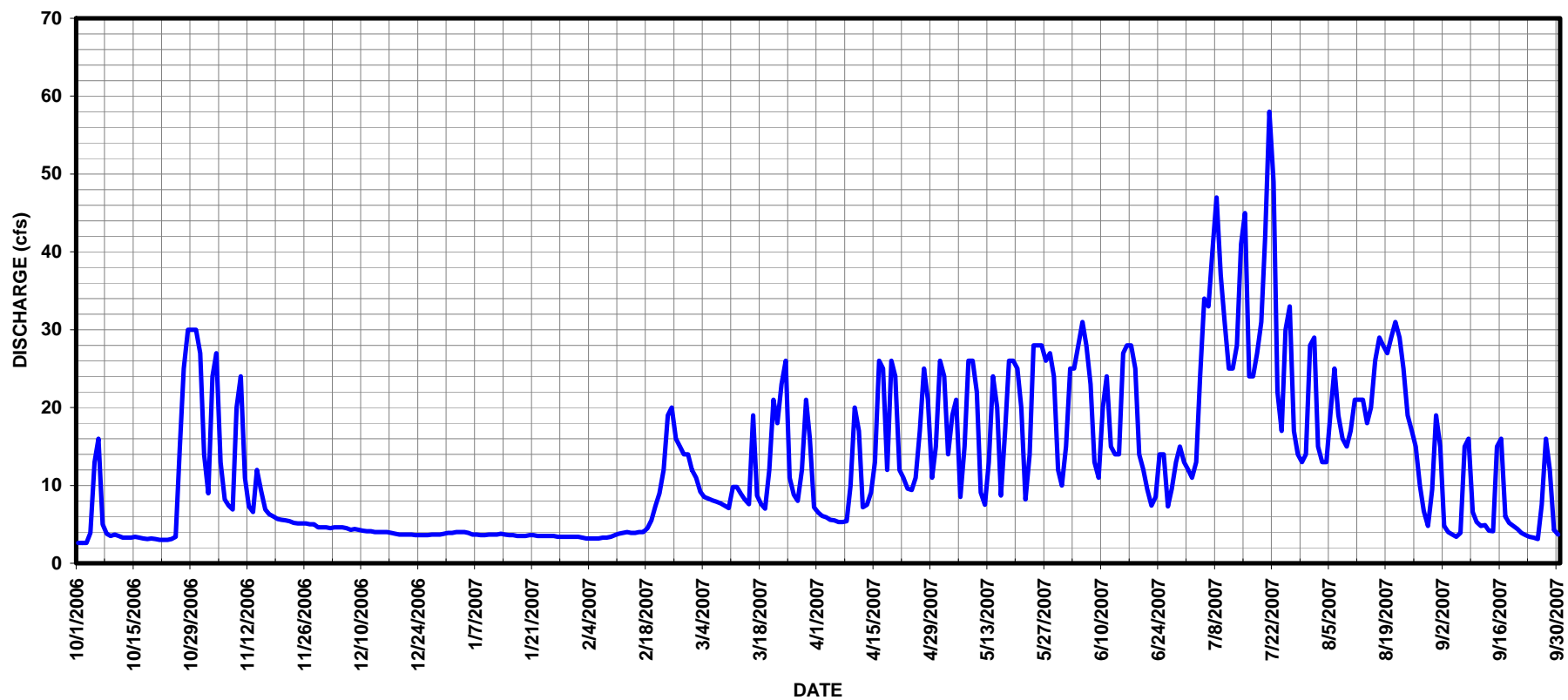
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	14	4.6	3.9	3.4	12	6.5	26	15	12	29	15
2	2.6	9.0	4.5	4.0	3.3	11	6.1	24	25	11	15	4.8
3	2.6	24	4.6	4.0	3.2	9.2	5.9	14	25	13	13	4.0
4	3.9	27	4.6	4.0	3.2	8.5	5.6	19	28	24	13	3.7
5	13	13	4.6	3.9	3.2	8.3	5.5	21	31	34	19	3.4
6	16	8.2	4.5	3.7	3.2	8.1	5.3	8.5	28	33	25	3.9
7	5.0	7.4	4.3	3.7	3.3	7.9	5.3	15	23	40	19	15
8	3.8	6.9	4.4	3.6	3.3	7.7	5.4	26	13	47	16	16
9	3.5	20	4.3	3.6	3.4	7.4	10	26	11	37	15	6.6
10	3.7	24	4.2	3.7	3.6	7.1	20	22	20	31	17	5.3
11	3.5	11	4.1	3.7	3.8	9.8	17	9.1	24	25	21	4.8
12	3.3	7.3	4.1	3.7	3.9	9.8	7.2	7.5	15	25	21	4.9
13	3.3	6.6	4.0	3.8	4.0	8.9	7.5	13	14	28	21	4.2
14	3.3	12	4.0	3.7	3.9	8.2	9.1	24	14	41	18	4.1
15	3.4	9.3	4.0	3.6	3.9	7.6	13	20	27	45	20	15
16	3.3	6.9	4.0	3.6	4.0	19	26	8.7	28	24	26	16
17	3.2	6.3	3.9	3.5	4.0	8.7	25	17	28	24	29	6.0
18	3.1	6.0	3.8	3.5	4.5	7.6	12	26	25	27	28	5.2
19	3.2	5.7	3.7	3.5	5.5	7.0	26	26	14	31	27	4.8
20	3.1	5.6	3.7	3.6	7.4	12	24	25	12	42	29	4.4
21	3.0	5.5	3.7	3.6	9.0	21	12	20	9.5	58	31	3.9
22	3.0	5.4	3.7	3.5	12	18	11	8.2	7.4	49	29	3.6
23	3.0	5.2	3.6	3.5	19	23	9.6	14	8.5	22	25	3.4
24	3.1	5.1	3.6	3.5	20	26	9.4	28	14	17	19	3.3
25	3.4	5.1	3.6	3.5	16	11	11	28	14	30	17	3.1
26	15	5.1	3.6	3.5	15	8.8	17	28	7.3	33	15	7.5
27	25	5.0	3.7	3.4	14	8.0	25	26	9.6	17	10	16
28	30	5.0	3.7	3.4	14	12	21	27	13	14	6.7	12
29	30	4.6	3.7	3.4	---	21	11	24	15	13	4.8	4.3
30	30	4.6	3.8	3.4	---	16	15	12	13	14	9.5	3.7
31	27	---	3.9	3.4	---	7.2	---	10	---	28	19	---
TOTAL	261.9	280.8	124.5	112.4	197.0	357.8	384.4	603.0	531.3	889	607.0	207.9
MEAN	8.45	9.36	4.02	3.63	7.04	11.5	12.8	19.5	17.7	28.7	19.6	6.93
AC-FT	519	557	247	223	391	710	762	1200	1050	1760	1200	412
MAX	30	27	4.6	4.0	20	26	26	28	31	58	31	16
MIN	2.6	4.6	3.6	3.4	3.2	7.0	5.3	7.5	7.3	11	4.8	3.1

CAL YR	2006	TOTAL	1620.58	MEAN	4.4	MAX	30	MIN	.24	AC-FT	3210
WTR YR	2007	TOTAL	4557	MEAN	12.5	MAX	58	MIN	2.6	AC-FT	9040

MAX DISCH: 60.8 cfs AT 10:00 ON Jul. 21, 2007 GH 0.74 FT. GH CORR. 0.91 FT. SHIFT 0.14 FT.
MAX GH: 1.65 FT. (GH CORR. 0.91 FT APPLIED) AT 10:00 ON Jul. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07123675 HORSE CREEK AT HIGHWAY 194 NEAR LAS ANIMAS CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

RATON CREEK ABOVE STARKVILLE, CO

LOCATION.--Lat 37°07'35.5", Long 104°31'24.8" in NW¼, NE¼, NE¼, Section 35,T33S, R64W, Las Animas County, 20 feet away from the creek on the left upstream side of bridge for road 18.3 approximately half a mile south of Interstate 25 exit 8 south of Trinidad.

DRAINAGE AREA.--Undetermined.

GAGE.--Sutron SatLink satellite-monitored data collection platform (DCP), with High Data Rate (HDR) radio and shaft encoder. The data logger is housed inside a 4' x 4' metal shelter about 20 feet away from the creek, while the shaft encoder is in a 20" x 30" metal shelter on an 18" corrugated metal pipe stilling well attached to the left bridge wing wall. Shaft encoder is set to an electric drop tape inside the half shelter. Primary record is the DCP data log with satellite data used for back-up purposes.

REMARKS.--Record is complete and reliable, except for the following periods: November 27-30, December 1-5, 17-26, 2006, February 4-7, 13-16, 25, March 1-4, 2007, when ice in the creek affected the stage-discharge relationship; and, December 27-31, 2006, January 1-31, February 1-3, 2007, when the well was frozen. Record good, except during periods of no gage height and ice affected record, which should be considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--RACRSTCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

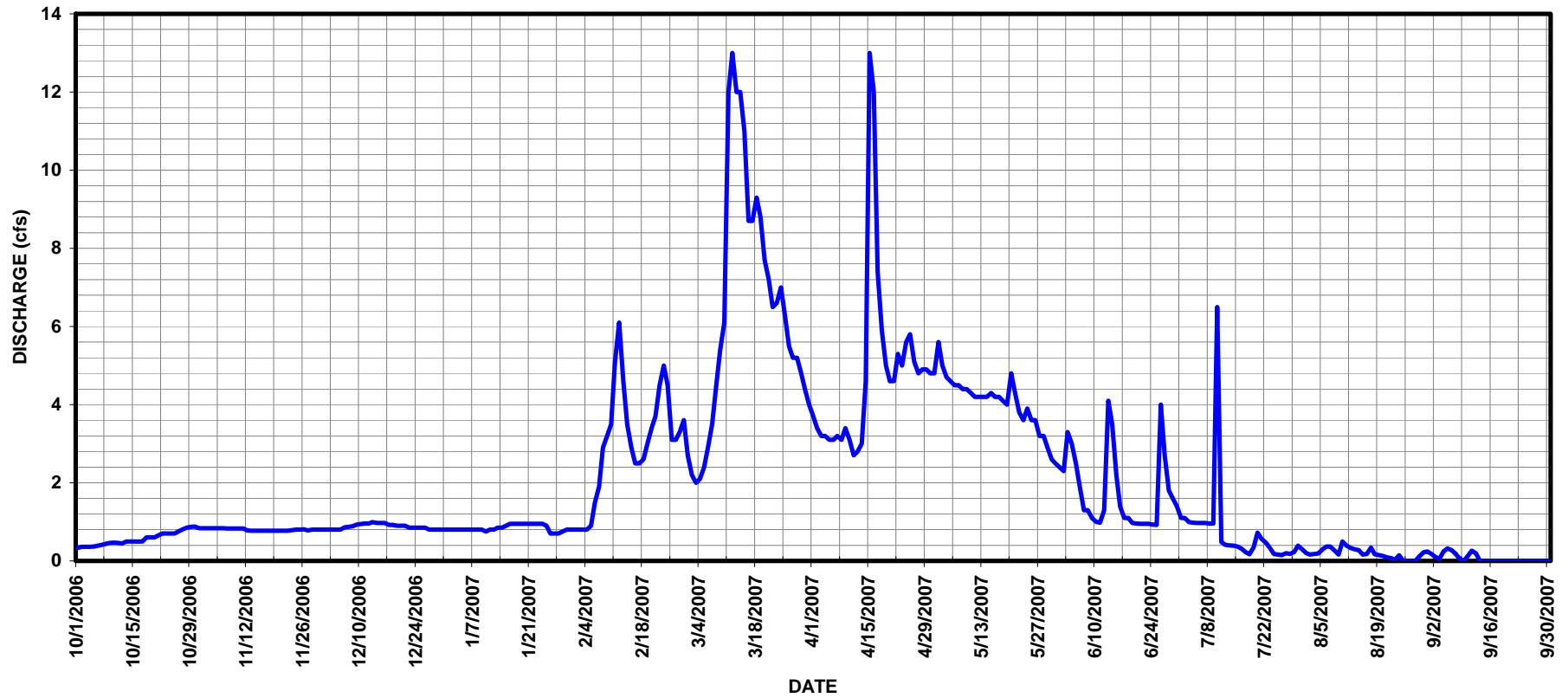
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.33	.84	.80	.80	.80	2.7	3.7	4.8	2.4	1.1	.20	.18
2	.36	.84	.80	.80	.80	2.2	3.4	5.6	2.3	1.1	.16	.10
3	.36	.84	.80	.80	.80	2.0	3.2	5.0	3.3	.99	.18	.06
4	.36	.84	.80	.80	.80	2.1	3.2	4.7	3.0	.98	.19	.24
5	.37	.84	.80	.80	.90	2.4	3.1	4.6	2.5	.97	.29	.32
6	.39	.84	.86	.80	1.5	2.9	3.1	4.5	1.9	.97	.37	.28
7	.41	.83	.87	.80	1.9	3.5	3.2	4.5	1.3	.97	.37	.18
8	.44	.83	.89	.80	2.9	4.5	3.1	4.4	1.3	.96	.27	.06
9	.46	.83	.93	.80	3.2	5.4	3.4	4.4	1.1	.96	.16	0
10	.47	.83	.94	.75	3.5	6.1	3.1	4.3	1.0	6.5	.50	.12
11	.46	.83	.96	.80	5.1	12	2.7	4.2	.98	.48	.39	.26
12	.45	.78	.96	.80	6.1	13	2.8	4.2	1.3	.41	.33	.19
13	.50	.77	.99	.85	4.6	12	3.0	4.2	4.1	.40	.30	0
14	.50	.77	.97	.85	3.5	12	4.6	4.2	3.5	.39	.28	0
15	.50	.77	.97	.90	2.9	11	13	4.3	2.2	.37	.16	0
16	.50	.77	.97	.95	2.5	8.7	12	4.2	1.4	.31	.18	0
17	.50	.77	.92	.95	2.5	8.7	7.4	4.2	1.1	.23	.34	0
18	.60	.77	.92	.95	2.6	9.3	5.9	4.1	1.1	.17	.17	0
19	.60	.77	.90	.95	3.0	8.8	5.0	4.0	.97	.35	.15	0
20	.60	.77	.90	.95	3.4	7.7	4.6	4.8	.96	.72	.13	0
21	.66	.77	.90	.95	3.7	7.2	4.6	4.3	.95	.56	.09	0
22	.70	.77	.85	.95	4.5	6.5	5.3	3.8	.95	.47	.07	0
23	.70	.79	.85	.95	5.0	6.6	5.0	3.6	.95	.34	.03	0
24	.70	.80	.85	.95	4.5	7.0	5.6	3.9	.93	.18	.14	0
25	.70	.80	.85	.90	3.1	6.3	5.8	3.6	.92	.16	0	0
26	.76	.81	.85	.70	3.1	5.5	5.1	3.6	4.0	.15	0	0
27	.81	.78	.80	.70	3.3	5.2	4.8	3.2	2.7	.20	0	0
28	.85	.80	.80	.70	3.6	5.2	4.9	3.2	1.8	.18	0	0
29	.87	.80	.80	.75	---	4.8	4.9	2.9	1.6	.23	.11	0
30	.88	.80	.80	.80	---	4.4	4.8	2.6	1.4	.39	.22	0
31	.84	---	.80	.80	---	4.0	---	2.5	---	.30	.24	---
TOTAL	17.63	24.05	27.10	26.05	84.10	199.7	144.3	126.4	53.91	22.49	6.02	1.99
MEAN	.57	.80	.87	.84	3.00	6.44	4.81	4.08	1.80	.73	.19	.066
AC-FT	35	48	54	52	167	396	286	251	107	45	12	3.9
MAX	.88	.84	.99	.95	6.1	13	13	5.6	4.1	6.5	.50	.32
MIN	.33	.77	.80	.70	.80	2.0	2.7	2.5	.92	.15	0	0

CAL YR	2006	TOTAL	290.61	MEAN	0.80	MAX	8.3	MIN	0	AC-FT	576
WTR YR	2007	TOTAL	733.74	MEAN	2.01	MAX	13	MIN	0	AC-FT	1460

MAX DISCH: 501 CFS AT 21:15 ON Jul. 10, 2007 GH 5.29 FT. SHIFT 0.08 FT.
MAX GH: 5.29 FT. AT 21:15 ON Jul. 10, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

RATON CREEK ABOVE STARKVILLE CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07124500 PURGATOIRE RIVER AT TRINIDAD, CO

LOCATION.--Lat 37°10'15", long 104°30'31", in NW¼SE¼ sec. 13, T.33 S., R.64 W., Las Animas County, in city of Trinidad, on left bank.

DRAINAGE AREA.--795 mi².

GAGE.--Sutron 8210 High Data Rate DCP (satellite monitored data collection platform) controlling a Sutron Accububble system inside a 4' x 4' steel shelter on the left bank above the channel. Orifice line inside 1-½ inch galvanized pipe anchored to the bank extending down and into the channel. Primary record is the DCP log data with satellite-monitored data used for backup purposes. The primary reference gage was a staff gage set in the streambed near the orifice. A wire weight gage was installed August 21, 2007 on the Commercial Street Bridge immediately downstream and in line with the orifice line and staff gage, and became the primary reference gage on that date. A tipping bucket raingage is also installed at the station.

REMARKS.--Record is complete and reliable, except for the following periods: Nov 29-30, Dec 1-10, 20-31, 2006, Jan 1-31, Feb 1-18, 25, Mar 1-4, 2007, when ice at or near the gage affected the gage height. Record considered good, except for days of ice affected gage height record, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--PURTRICO26 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	2.7	1.4	1.5	2.0	5.4	129	128	293	229	180	144
2	88	2.2	1.3	1.5	2.2	4.8	100	180	293	208	175	147
3	64	2.1	1.4	1.5	2.3	4.6	68	243	296	184	162	146
4	53	2.5	1.5	1.5	2.5	4.3	58	265	363	185	153	145
5	60	2.5	1.8	1.5	3.0	4.3	67	262	361	194	155	188
6	67	2.4	1.7	1.5	3.5	4.2	74	264	313	205	227	219
7	68	1.8	1.2	1.5	3.5	5.0	74	204	260	218	285	219
8	70	1.9	1.2	1.5	5.0	5.9	75	151	224	224	278	219
9	68	2.2	1.3	1.5	5.0	7.8	101	140	218	229	328	218
10	101	2.3	1.3	1.6	5.2	8.5	120	138	214	236	248	218
11	151	2.3	1.3	1.6	5.2	14	92	171	214	228	159	195
12	197	2.1	1.3	1.7	5.2	19	67	195	228	234	151	136
13	150	1.7	1.2	1.7	5.3	42	67	198	242	236	192	144
14	5.3	1.6	1.3	1.6	5.5	64	68	193	278	244	243	152
15	4.4	1.8	1.5	1.6	5.6	37	75	213	298	246	178	139
16	3.4	1.7	30	1.5	5.6	11	173	254	292	245	157	128
17	2.5	1.4	30	1.5	5.5	11	239	268	295	228	176	121
18	3.3	1.4	31	1.6	5.0	11	221	286	259	215	176	109
19	2.8	1.5	17	1.6	6.3	11	183	295	236	211	173	93
20	2.3	1.3	1.8	1.6	7.8	9.0	134	292	237	222	150	92
21	3.4	1.4	2.0	1.6	7.9	8.6	110	303	239	223	118	97
22	3.0	1.8	2.0	1.6	9.4	7.8	113	307	227	222	106	91
23	2.2	1.7	1.6	1.7	10	8.0	137	296	220	226	111	93
24	1.8	2.0	1.8	1.7	10	8.4	145	292	217	220	116	96
25	2.2	2.0	1.6	1.7	6.3	7.9	150	295	217	199	118	92
26	5.2	1.8	1.7	1.8	6.1	6.8	144	288	226	181	118	90
27	3.6	1.8	1.4	1.8	6.0	6.5	136	286	231	177	180	82
28	3.4	1.5	1.2	1.9	6.9	6.3	127	286	229	176	230	80
29	3.0	1.6	1.2	1.9	---	63	126	250	228	177	205	75
30	2.9	1.6	2.0	2.0	---	130	127	226	230	187	154	74
31	2.6	---	2.0	2.3	---	130	---	265	---	189	149	---
TOTAL	1334.3	56.6	162.5	51.1	153.8	667.1	3500	7434	7678	6598	5551	4042
MEAN	43.0	1.89	5.24	1.65	5.49	21.5	117	240	256	213	179	135
AC-FT	2650	112	322	101	305	1320	6940	14750	15230	13090	11010	8020
MAX	197	2.7	31	2.3	10	130	239	307	363	246	328	219
MIN	1.8	1.3	1.2	1.5	2.0	4.2	58	128	214	176	106	74

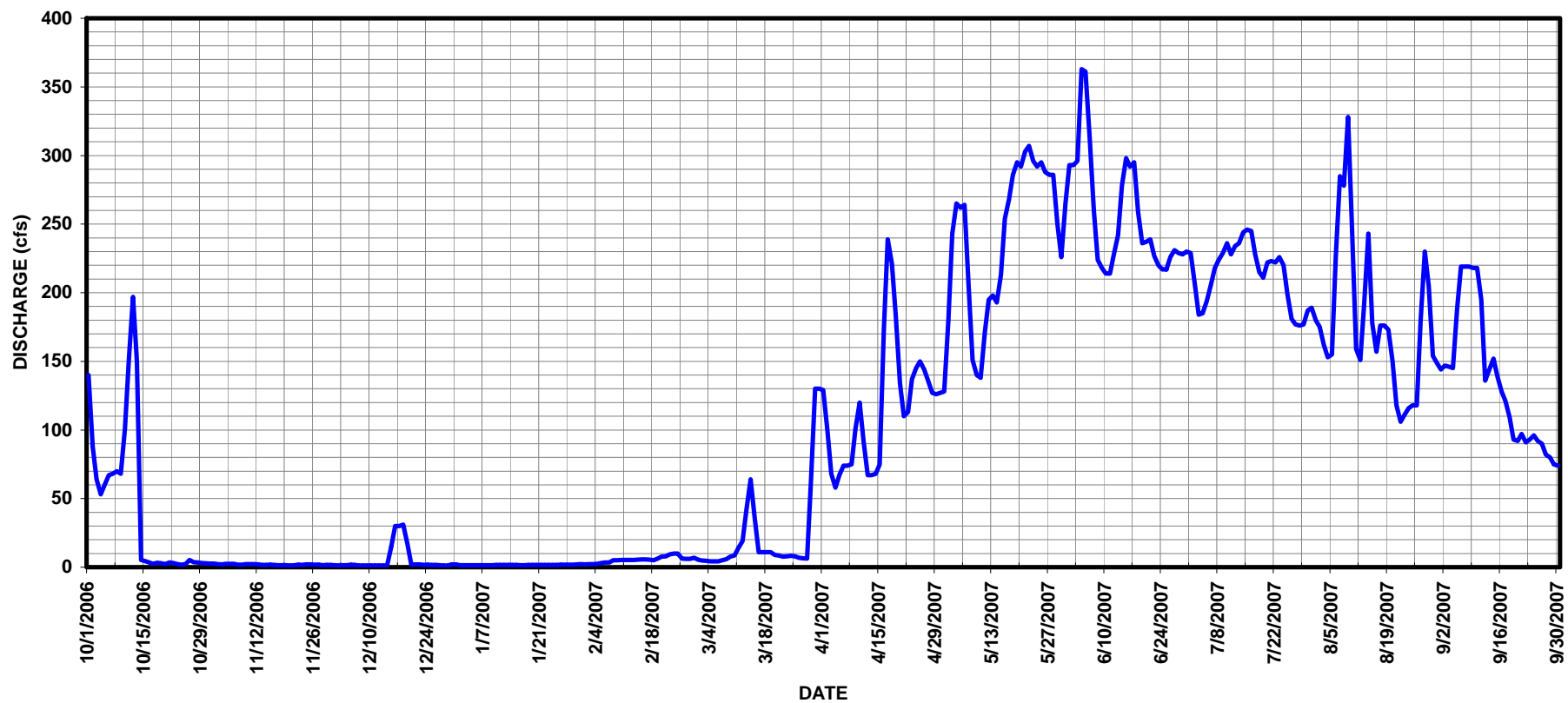
CAL YR	2006	TOTAL	16479.4	MEAN	45.2	MAX	300	MIN	0.95	AC-FT	32690
WTR YR	2007	TOTAL	37228.4	MEAN	102	MAX	363	MIN	1.2	AC-FT	73840

MAX DISCH: 437 CFS AT 22:45 ON Jul. 10, 2007 GH 3.26 FT. SHIFT -0.32 FT.

MAX GH: 3.26 FT. AT 22:45 ON Jul. 10, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07124500 PURGATOIRE RIVER AT TRINIDAD CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE, CO (RIVER ONLY)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County, Hydrologic Unit 11020010, on left bank at Ninemile Dam, 4 mi southwest of Higbee, and 5.5 mi upstream from Smith Canyon. Prior to Apr. 21, 1978 gage located 850 ft, upstream.

DRAINAGE AREA.--2,752 mi².

GAGE--Sutron Accububble and satellite-monitored data collection platform (Sutron 8210 HDR DCP) in a 4 ft by 4 ft steel shelter. The primary reference gage is an outside drop tape from a reference point on a steel "I" beam on the wall face between Ninemile Dam and the Ninemile Canal headgate. Control is the Ninemile Dam. DCP data log file is the primary record with satellite-monitored gage height data providing backup. The 8210 DCP was replaced on 13 Sept 2007 due to missed satellite transmissions and parity errors.

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 4-Nov 28, 2006 and June 29 and 30, 2007, when trash and debris on the crest of the Nine Mile Canal diversion dam (gage control) affected gage heights; and Nov 29-30, Dec 1-31, 2006, Jan 1-31, Feb 1-28, Mar 1-3, 2007, when the stage-discharge relationship was affected by ice. Record fair, except during periods of ice affected and backwater affected record and flows over 500 cfs, which should be considered poor. The record for total flow in the river at this location is computed by adding Ninemile Canal flows to this record. High flows have not been measured at or near the gage due to a lack of facilities. Station maintained by A. Adame and record developed by A. Adame and M. Perry.

RATING TABLE.--PURNINCO17 USED FROM 01-OCT-2006 TO 30-SEP-2007

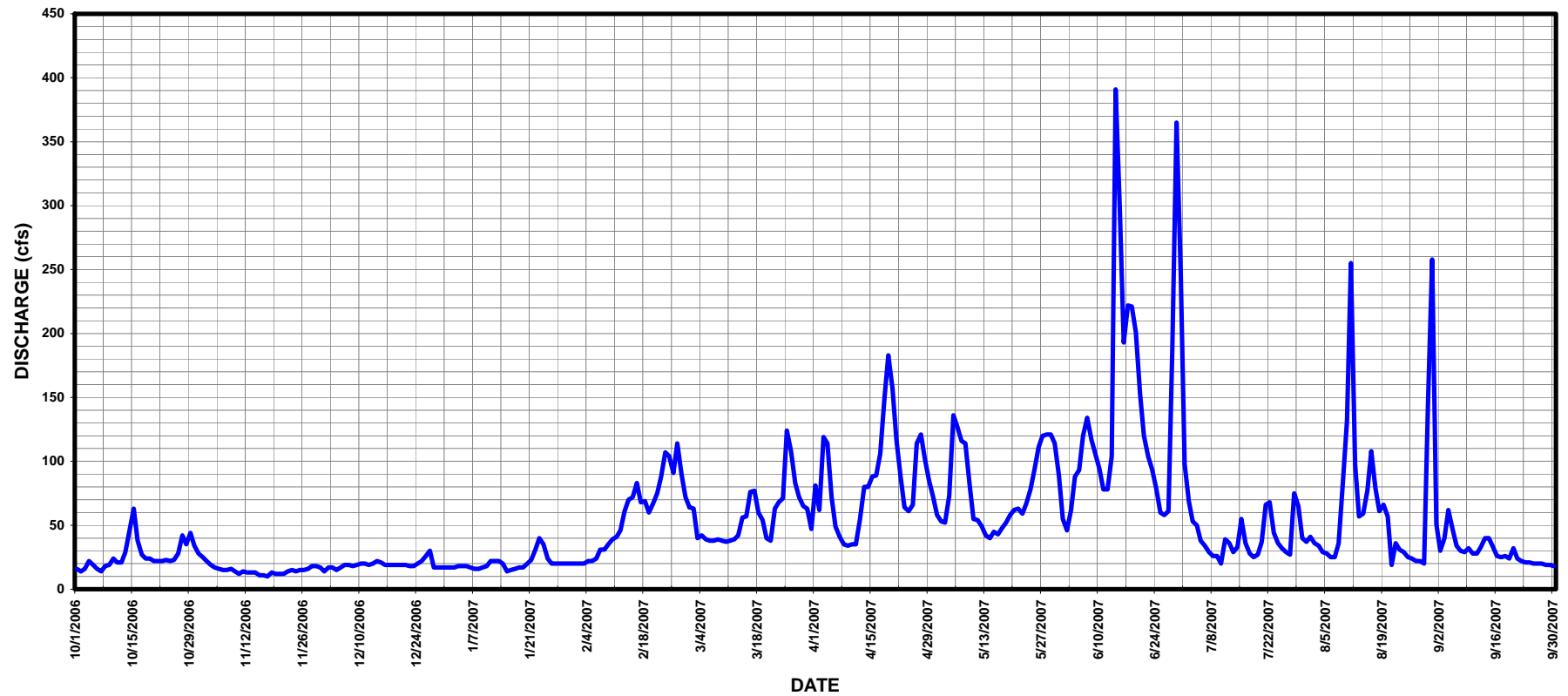
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	25	14	17	20	64	81	58	55	98	41	51
2	14	22	17	17	20	63	62	53	46	69	36	30
3	16	19	17	18	20	40	119	52	62	53	34	40
4	22	17	15	18	22	42	114	73	88	50	29	62
5	19	16	17	18	22	39	72	136	93	38	28	47
6	16	15	19	17	24	38	49	127	120	34	25	34
7	14	15	19	16	31	38	41	116	134	29	25	30
8	18	16	18	16	31	39	35	114	117	26	36	29
9	19	14	19	17	35	38	34	82	106	26	83	32
10	24	12	20	18	39	37	35	55	94	20	132	28
11	21	14	20	22	41	38	35	54	78	39	255	28
12	21	13	19	22	46	39	55	49	78	36	98	33
13	29	13	20	22	61	42	80	42	104	29	57	40
14	46	13	22	20	70	56	80	40	391	33	59	40
15	63	11	21	14	72	57	88	45	297	55	77	33
16	38	11	19	15	83	76	89	43	193	36	108	26
17	27	10	19	16	68	77	106	48	222	28	79	25
18	24	13	19	17	69	60	149	52	221	25	61	26
19	24	12	19	17	60	54	183	58	201	27	66	24
20	22	12	19	20	67	40	157	62	153	37	57	32
21	22	12	19	23	75	38	117	63	120	66	19	24
22	22	14	18	31	88	63	88	59	104	68	36	22
23	23	15	18	40	107	68	64	67	94	44	31	21
24	22	14	20	35	104	71	61	78	79	36	29	21
25	23	15	22	24	91	124	66	93	60	32	25	20
26	28	15	26	20	114	108	114	111	58	29	24	20
27	42	16	30	20	90	83	121	120	61	27	22	20
28	35	18	17	20	72	72	102	121	190	75	22	19
29	44	18	17	20	---	65	85	121	365	65	20	19
30	34	17	17	20	---	63	72	114	247	40	145	18
31	28	---	17	20	---	47	---	89	---	37	258	---
TOTAL	816	447	593	630	1642	1779	2554	2395	4231	1307	2017	894
MEAN	26.3	14.9	19.1	20.3	58.6	57.4	85.1	77.3	141	42.2	65.1	29.8
AC-FT	1620	887	1180	1250	3260	3530	5070	4750	8390	2590	4000	1770
MAX	63	25	30	40	114	124	183	136	391	98	258	62
MIN	14	10	14	14	20	37	34	40	46	20	19	18
CAL YR 2006	TOTAL	12472	MEAN	34.2	MAX	463	MIN	0.8	AC-FT	24700		
WTR YR 2007	TOTAL	19305	MEAN	52.9	MAX	391	MIN	10	AC-FT	38290		

MAX DISCH: 704 CFS AT 20:15 ON Aug. 30, 2007 GH 4.13 FT. SHIFT +0.04 FT.
MAX GH: 4.13 FT. AT 20:15 ON Aug. 30, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE CO (RIVER ONLY)
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Float-activated graphic water-stage recorder, SDI shaft encoder, and a High Data Rate Sutron SatLink DCP in a 3 ft by 3 ft steel shelter with well. Primary record is DCP data log with satellite-monitored data and the graphic chart recorder used for backup purposes. Six-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable, except for the periods: Oct 29-Nov 29, 2006, Mar. 20-May 11, May 16-June 14, June 21-28, July 8-10, 2007, when the measuring flume was submerged due to a downstream check dam used to back up water for lift pumps and due to poorly maintained channel conditions downstream of the measuring flume; Nov 30, Dec 1-31, 2006, Jan 1-31, Feb 1-7, 2007, when the stage-discharge relationship was affected by ice (ice was chopped out of well on Feb 7, 2007, and well stayed clear of ice for the remainder of the water year); Feb 24, Mar 9, 2007, when flow was estimated because gage height was not representative of average for the day (problem was caused by water in well dropping below zero); Jul 11-31, Aug 1-9, 2007, when the stilling well was filled with mud above lower intake and floats were stuck on mud. Record is poor, due to long periods of ice effect, recorded negative gage heights, submerged flume conditions, and floats sitting on mud in the well. Station maintained and record developed by A. Adame.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

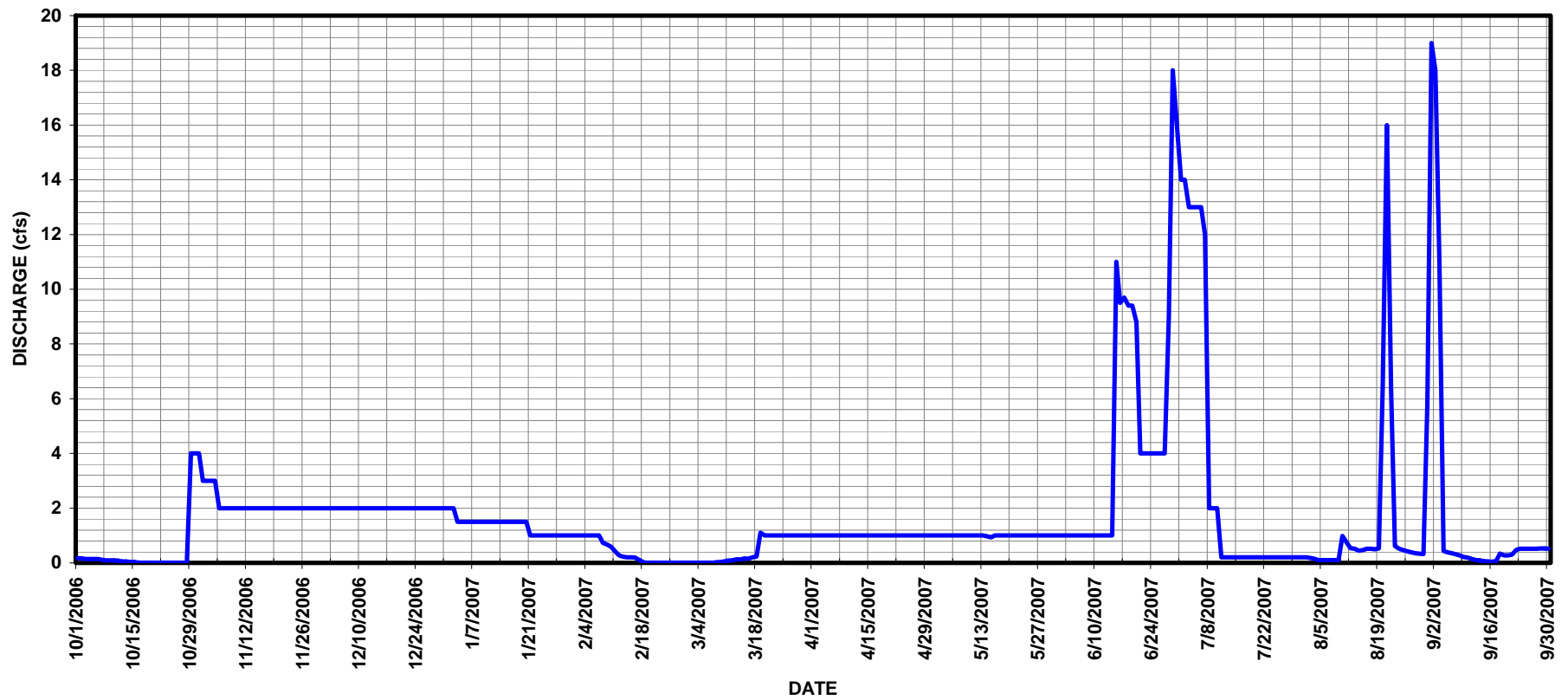
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	3.0	2.0	2.0	1.0	0	1.0	1.0	1.0	14	.20	19
2	.16	3.0	2.0	2.0	1.0	0	1.0	1.0	1.0	14	.18	18
3	.14	3.0	2.0	1.5	1.0	0	1.0	1.0	1.0	13	.15	11
4	.14	3.0	2.0	1.5	1.0	0	1.0	1.0	1.0	13	.10	.44
5	.14	2.0	2.0	1.5	1.0	0	1.0	1.0	1.0	13	.10	.38
6	.14	2.0	2.0	1.5	1.0	0	1.0	1.0	1.0	13	.10	.35
7	.11	2.0	2.0	1.5	1.0	0	1.0	1.0	1.0	12	.10	.31
8	.09	2.0	2.0	1.5	.73	.02	1.0	1.0	1.0	2.0	.10	.27
9	.09	2.0	2.0	1.5	.67	.03	1.0	1.0	1.0	2.0	.10	.21
10	.09	2.0	2.0	1.5	.59	.05	1.0	1.0	1.0	2.0	.98	.19
11	.08	2.0	2.0	1.5	.43	.08	1.0	1.0	1.0	.20	.75	.14
12	.05	2.0	2.0	1.5	.27	.09	1.0	1.0	1.0	.20	.54	.10
13	.05	2.0	2.0	1.5	.22	.13	1.0	1.0	1.0	.20	.52	.09
14	.03	2.0	2.0	1.5	.20	.12	1.0	.97	1.0	.20	.45	.06
15	.03	2.0	2.0	1.5	.20	.16	1.0	.93	11	.20	.47	.05
16	.01	2.0	2.0	1.5	.19	.15	1.0	1.0	9.5	.20	.52	.04
17	0	2.0	2.0	1.5	.10	.20	1.0	1.0	9.7	.20	.52	.07
18	0	2.0	2.0	1.5	.02	.23	1.0	1.0	9.4	.20	.50	.33
19	0	2.0	2.0	1.5	0	1.1	1.0	1.0	9.4	.20	.53	.27
20	0	2.0	2.0	1.5	0	1.0	1.0	1.0	8.8	.20	6.5	.27
21	0	2.0	2.0	1.0	0	1.0	1.0	1.0	4.0	.20	16	.30
22	0	2.0	2.0	1.0	0	1.0	1.0	1.0	4.0	.20	6.4	.48
23	0	2.0	2.0	1.0	0	1.0	1.0	1.0	4.0	.20	.62	.52
24	0	2.0	2.0	1.0	0	1.0	1.0	1.0	4.0	.20	.52	.52
25	0	2.0	2.0	1.0	0	1.0	1.0	1.0	4.0	.20	.47	.52
26	0	2.0	2.0	1.0	0	1.0	1.0	1.0	4.0	.20	.43	.52
27	0	2.0	2.0	1.0	0	1.0	1.0	1.0	4.0	.20	.38	.52
28	0	2.0	2.0	1.0	0	1.0	1.0	1.0	9.0	.20	.35	.53
29	4.0	2.0	2.0	1.0	---	1.0	1.0	1.0	18	.20	.33	.53
30	4.0	2.0	2.0	1.0	---	1.0	1.0	1.0	16	.20	.32	.52
31	4.0	---	2.0	1.0	---	1.0	---	1.0	---	.20	5.8	---
TOTAL	13.52	64.0	62.0	42.0	10.62	14.36	30.0	30.90	142.8	102.20	45.03	56.53
MEAN	.44	2.13	2.00	1.35	.38	.46	1.00	1.00	4.76	3.30	1.45	1.88
AC-FT	27	127	123	83	21	28	60	61	283	203	89	112
MAX	4.0	3.0	2.0	2.0	1.0	1.1	1.0	1.0	18	14	16	19
MIN	0	2.0	2.0	1.0	0	0	1.0	.93	1.0	.20	.10	.04

CAL YR	2006	TOTAL	2813.99	MEAN	7.71	MAX	36	MIN	0	AC-FT	5580
WTR YR	2007	TOTAL	613.96	MEAN	1.68	MAX	19	MIN	0	AC-FT	1220

MAX DISCH: 89.9 CFS AT 17:45 ON Aug.31, 2007 GH 0.89 FT. SHIFT 0 FT.
MAX GH: 0.89 FT. AT 17:45 ON Aug.31, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE, CO (COMBINED)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County, Hydrologic Unit 11020010, on left bank at Ninemile Dam, 4 mi southwest of Higbee, and 5.5 mi upstream from Smith Canyon. Prior to Apr. 21, 1978 gage located 850 ft, upstream.

DRAINAGE AREA.--2,752 mi².

REMARKS.--The combined record of discharges was obtained by the addition of daily flows from the Ninemile Canal to the corresponding daily flows in the Purgatoire River at Ninemile Dam. The peak discharge for the water year was 705 cfs at 2015 on August 30, 2007. Combined record is poor due to numerous problems at the river gage and the canal gage throughout WY2007 and due to the fact that flows over 500 cfs cannot be measured at the river gage. See individual PURNINCO and NMCHIGCO records for more details. Record developed by Div. II Hydrographic Staff.

PURGATOIRE RIVER AT NINEMILE DAM AND NINEMILE CANAL NEAR HIGBEE CO (COMBINED)

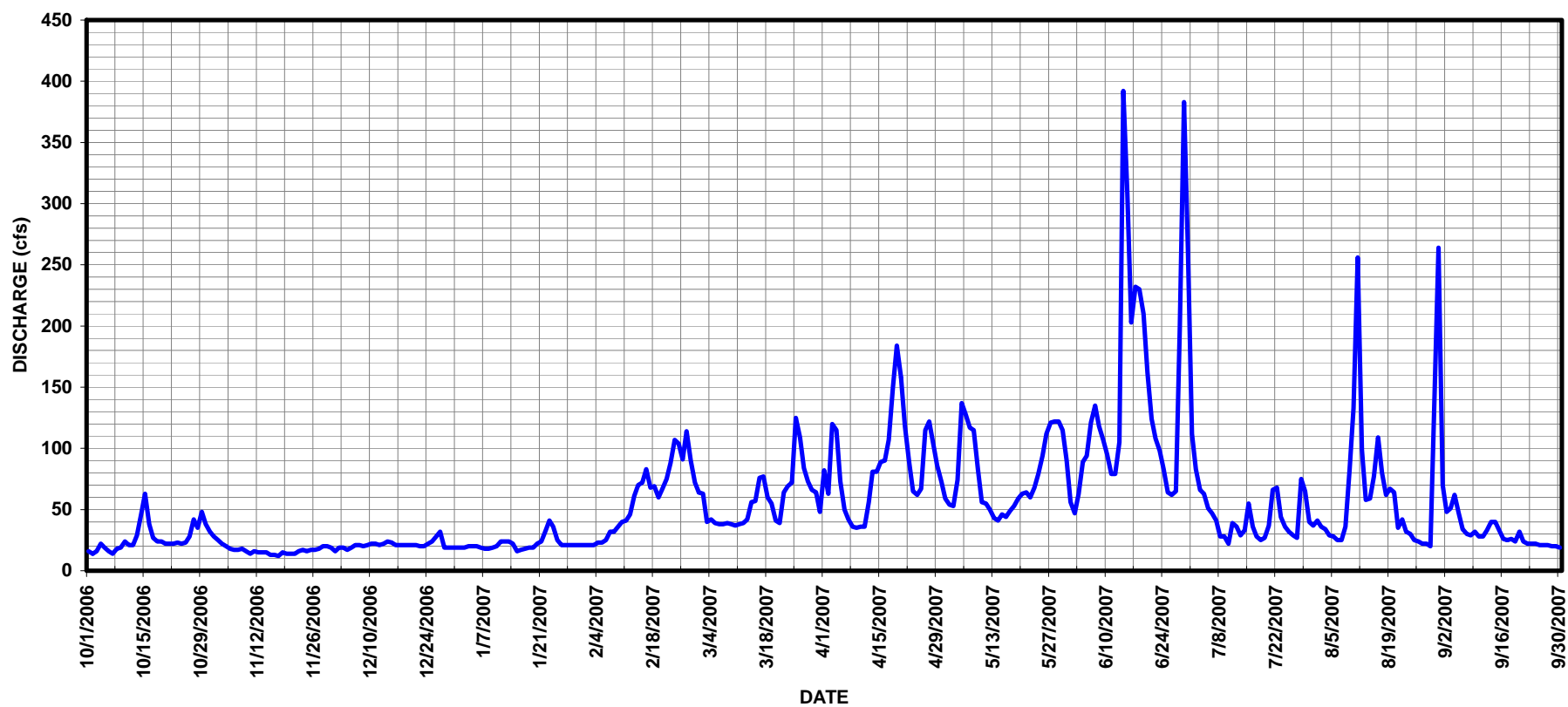
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	28	16	19	21	64	82	59	56	112	41	70
2	14	25	19	19	21	63	63	54	47	83	36	48
3	16	22	19	20	21	40	120	53	63	66	34	51
4	22	20	17	20	23	42	115	74	89	63	29	62
5	19	18	19	20	23	39	73	137	94	51	28	47
6	16	17	21	19	25	38	50	128	121	47	25	34
7	14	17	21	18	32	38	42	117	135	41	25	30
8	18	18	20	18	32	39	36	115	118	28	36	29
9	19	16	21	19	36	38	35	83	107	28	83	32
10	24	14	22	20	40	37	36	56	95	22	133	28
11	21	16	22	24	41	38	36	55	79	39	256	28
12	21	15	21	24	46	39	56	50	79	36	99	33
13	29	15	22	24	61	42	81	43	105	29	58	40
14	46	15	24	22	70	56	81	41	392	33	59	40
15	63	13	23	16	72	57	89	46	308	55	77	33
16	38	13	21	17	83	76	90	44	203	36	109	26
17	27	12	21	18	68	77	107	49	232	28	80	25
18	24	15	21	19	69	60	150	53	230	25	62	26
19	24	14	21	19	60	55	184	59	210	27	67	24
20	22	14	21	22	67	41	158	63	162	37	64	32
21	22	14	21	24	75	39	118	64	124	66	35	24
22	22	16	20	32	88	64	89	60	108	68	42	22
23	23	17	20	41	107	69	65	68	98	44	32	22
24	22	16	22	36	104	72	62	79	83	36	30	22
25	23	17	24	25	91	125	67	94	64	32	25	21
26	28	17	28	21	114	109	115	112	62	29	24	21
27	42	18	32	21	90	84	122	121	65	27	22	21
28	35	20	19	21	72	73	103	122	199	75	22	20
29	48	20	19	21	---	66	86	122	383	65	20	20
30	38	19	19	21	---	64	73	115	263	40	145	19
31	32	---	19	21	---	48	---	90	---	37	264	---
TOTAL	828	511	655	681	1652	1792	2584	2426	4374	1405	2062	950
MEAN	27	17	21	22	59	58	86	78	146	45	67	32
AC-FT	1640	1010	1300	1350	3280	3550	5130	4810	8680	2790	4090	1880
MAX	63	28	32	41	114	125	184	137	392	112	264	70
MIN	14	12	16	16	21	37	35	41	47	22	20	19
CAL YR 2006	TOTAL	12610	MEAN	34.6	MAX	463	MIN	0.8	AC-FT	25000		
WTR YR 2007	TOTAL	19920	MEAN	54.6	MAX	392	MIN	12	AC-FT	39510		

MAX DISCHARGE: 705 CFS AT 20:15 ON Aug. 30, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07126500 PURGATOIRE RIVER AT NINEMILE DAM AND NINEMILE CANAL NEAR HIGBEE CO (COMBINED)
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

GAGE.--Sutron Accubar water level sensor and satellite-monitored data collection platform (High data rate Sutron 8210 DCP) in a 4 ft x 4 ft steel shelter. Primary record is DCP data logger data with satellite-monitored data used for backup purposes. Primary reference gage is a drop tape gage referenced to the top of "C" channel attached to the flood block. Accubar was damaged on April 2, 2007, when deputy water commissioner purged incorrectly. Accububbler was installed on May 2, 2007. Orifice line still had oil in it from Accubar damage. Orifice line was replaced on May 3, 2007. Accububbler diaphragm was damaged and the Accububbler unit was replaced with a new unit on May 14, 2007.

REMARKS.--Record is complete and reliable, except for the following periods: Dec 2, 2006 - March 3, 2007, when ice affected the stage discharge relationship; March 4 - May 2, 2007, when the Accubar was not functioning correctly; and, May 2-14, 2007, when the new Accububbler was not functioning correctly. Record fair, except during periods of ice affected record and equipment malfunction, and when flows exceed 500 cfs (since such flows are unmeasurable at this location), which all should be considered poor. Station maintained by A. Adame and record developed by Mark Perry.

RATING TABLE.--PURHILCO03 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	30	13	17	24	64	70	76	72	138	23	160
2	13	26	17	17	22	63	100	60	49	78	25	83
3	11	22	17	18	23	40	126	62	44	65	21	55
4	10	19	15	18	21	49	131	74	61	70	19	61
5	19	16	17	18	25	44	88	116	94	49	21	71
6	17	15	19	17	25	41	57	151	74	35	15	45
7	13	15	19	16	32	41	42	137	128	29	14	32
8	11	16	18	16	32	40	36	128	101	23	14	26
9	15	14	19	17	36	40	35	110	81	17	43	52
10	19	12	20	18	40	39	35	75	65	13	104	67
11	25	14	20	22	41	39	32	60	77	10	306	30
12	20	13	19	22	46	40	43	57	135	22	197	25
13	17	13	20	22	61	41	66	53	67	19	83	28
14	26	13	22	20	70	48	90	43	342	69	51	34
15	58	11	21	14	72	59	100	36	277	30	61	35
16	66	11	19	15	83	82	105	35	150	34	110	29
17	38	10	19	16	68	94	117	35	133	18	121	22
18	27	13	19	17	69	85	157	43	164	11	69	23
19	23	12	19	17	60	57	211	48	144	6.9	70	22
20	20	12	21	17	67	45	209	57	131	6.5	74	20
21	18	12	20	17	75	41	167	66	87	12	68	30
22	16	13	20	17	88	56	127	63	70	50	45	23
23	19	15	20	17	107	76	97	63	64	44	42	20
24	17	14	20	17	104	84	82	84	52	25	26	19
25	18	15	20	17	91	103	87	79	39	17	22	19
26	25	15	22	17	114	129	114	108	28	11	17	18
27	35	16	17	20	90	100	150	115	404	8.3	15	16
28	49	18	17	23	72	88	144	127	92	7.7	12	17
29	35	15	17	31	---	90	122	127	437	60	12	18
30	53	14	17	40	---	73	96	122	191	46	10	16
31	41	---	17	35	---	51	---	117	---	23	459	---
TOTAL	789	454	580	605	1658	1942	3036	2527	3853	1047.4	2169	1116
MEAN	25.5	15.1	18.7	19.5	59.2	62.6	101	81.5	128	33.8	70.0	37.2
AC-FT	1560	901	1150	1200	3290	3850	6020	5010	7640	2080	4300	2210
MAX	66	30	22	40	114	129	211	151	437	138	459	160
MIN	10	10	13	14	21	39	32	35	28	6.5	10	16

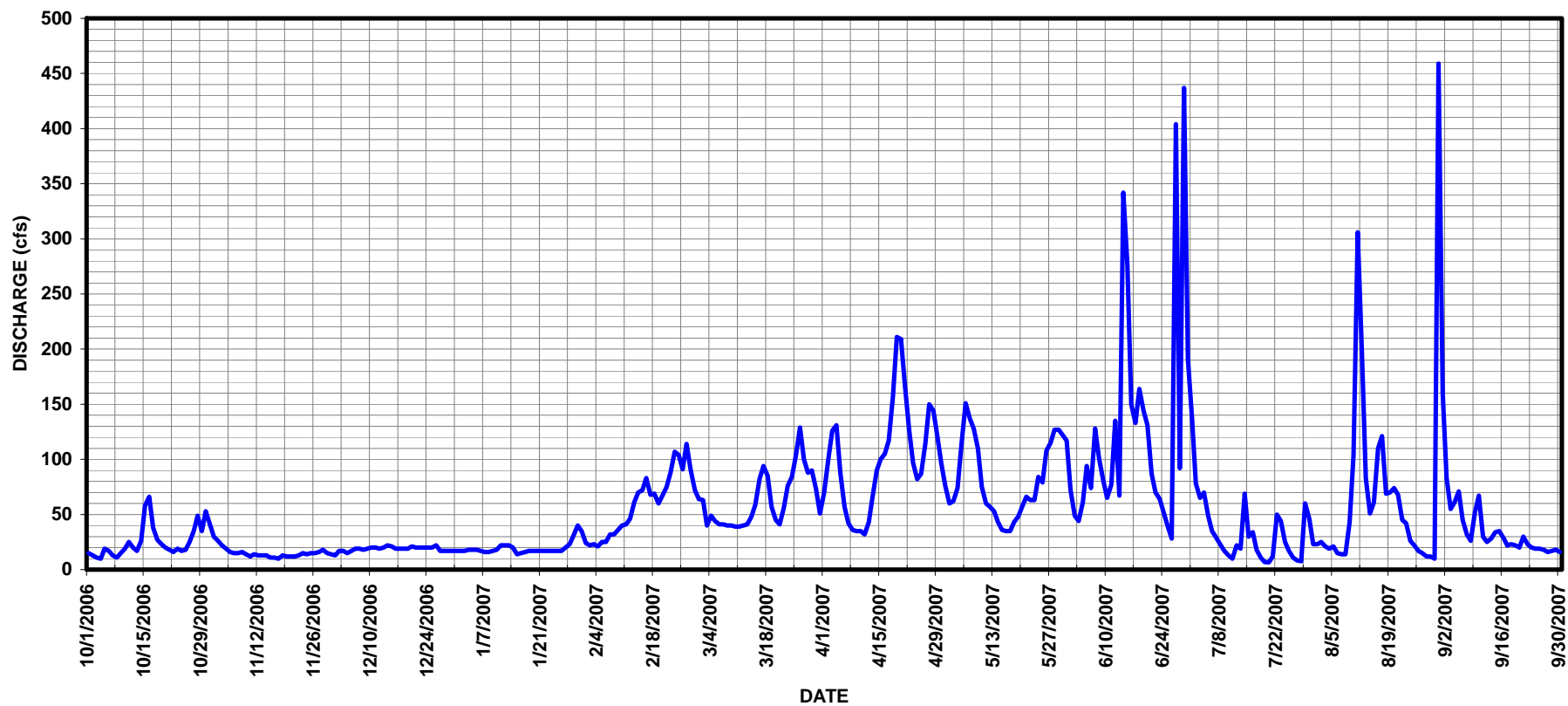
CAL YR	2006	TOTAL	9526.46	MEAN	26.1	MAX	411	MIN	0	AC-FT	18900
WTR YR	2007	TOTAL	19776.4	MEAN	54.2	MAX	459	MIN	6.5	AC-FT	39230

MAX DISCH: 2040 CFS AT 06:30 ON June 27, 2007 GH 7.03 FT. SHIFT -0.12 FT.

MAX GH: 7.03 FT. AT 06:30 ON June 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

GAGE.--Float-activated graphic water-stage recorder and shaft encoder in small shelter over CMP stilling well. Shaft encoder wired to satellite-monitored data collection platform (Sutron 8210 HDR DCP) in Purgatoire River below Highland Dam gage shelter. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Standard 5-ft steel Parshall flume is the control. Primary reference gage is outside staff gage installed in flume. The shaft encoder was replaced on June 29, 2007 due to equipment malfunction.

REMARKS.--Record is complete and reliable, except for Oct. 10-12, 14-16, 21-31, Nov. 6-12, 2006, when the flume was submerged due to debris in the canal; Nov. 14-22, 2006, after the canal was shut off for the year, but shaft encoder gage heights remained above zero. Chart recorder was not working, but a site visit on Nov 22, 2006 confirmed that the reference gage was at zero. Jan. 15-31, Feb. 1-10, Feb 16, 2007 when ice in the well affected gage heights. Record good, except during periods of ice affected record, flume submergence, and equipment problems, which should be considered fair to poor. Station maintained by A. Adame and record developed by A. Adame and Mark Perry.

RATING TABLE.--STD05FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

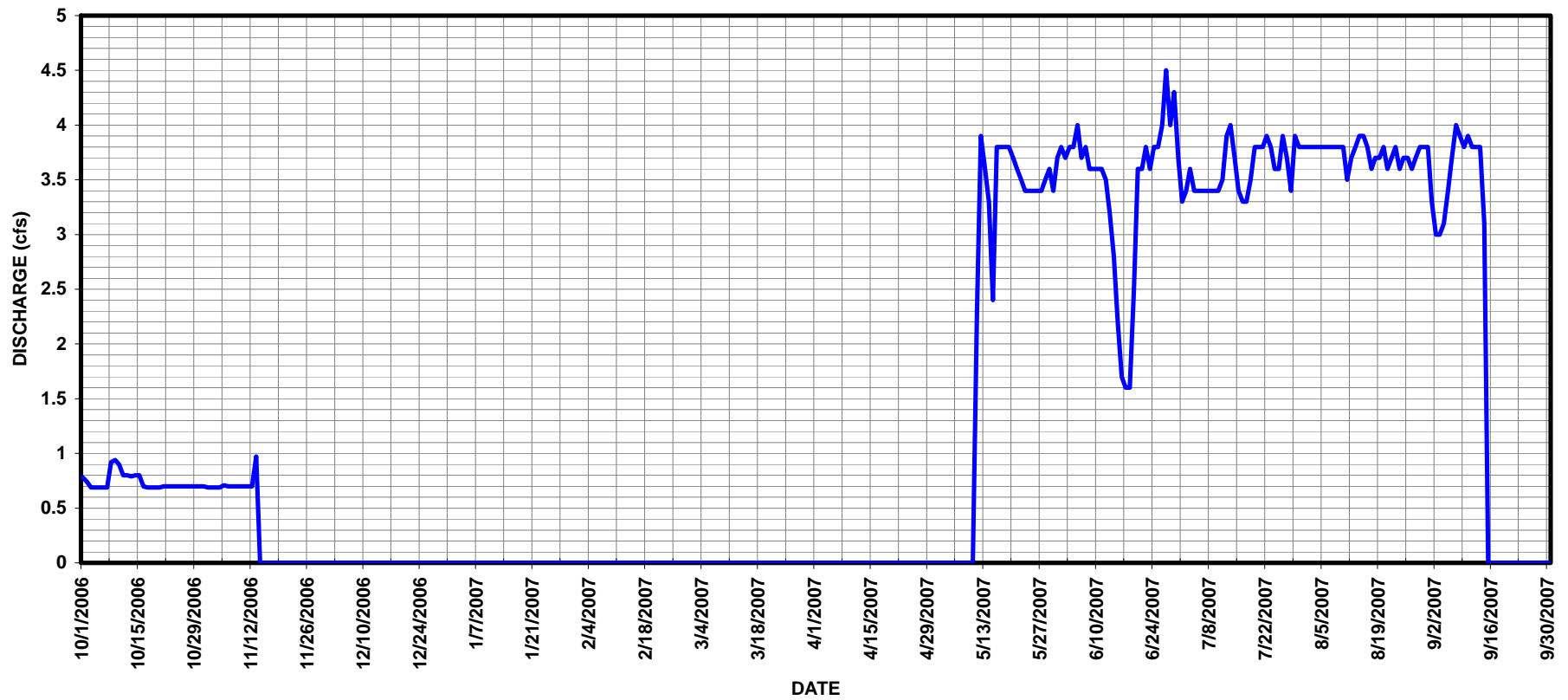
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.78	.69	0	0	0	0	0	0	3.8	3.3	3.8	3.3
2	.74	.69	0	0	0	0	0	0	3.7	3.4	3.8	3.0
3	.69	.69	0	0	0	0	0	0	3.8	3.6	3.8	3.0
4	.69	.69	0	0	0	0	0	0	3.8	3.4	3.8	3.1
5	.69	.71	0	0	0	0	0	0	4.0	3.4	3.8	3.4
6	.69	.70	0	0	0	0	0	0	3.7	3.4	3.8	3.7
7	.69	.70	0	0	0	0	0	0	3.8	3.4	3.8	4.0
8	.92	.70	0	0	0	0	0	0	3.6	3.4	3.8	3.9
9	.94	.70	0	0	0	0	0	0	3.6	3.4	3.8	3.8
10	.90	.70	0	0	0	0	0	0	3.6	3.4	3.8	3.9
11	.80	.70	0	0	0	0	0	2.3	3.6	3.5	3.5	3.8
12	.80	.70	0	0	0	0	0	3.9	3.5	3.9	3.7	3.8
13	.79	.97	0	0	0	0	0	3.6	3.2	4.0	3.8	3.8
14	.80	0	0	0	0	0	0	3.3	2.8	3.7	3.9	3.1
15	.80	0	0	0	0	0	0	2.4	2.2	3.4	3.9	0
16	.70	0	0	0	0	0	0	3.8	1.7	3.3	3.8	0
17	.69	0	0	0	0	0	0	3.8	1.6	3.3	3.6	0
18	.69	0	0	0	0	0	0	3.8	1.6	3.5	3.7	0
19	.69	0	0	0	0	0	0	3.8	2.5	3.8	3.7	0
20	.69	0	0	0	0	0	0	3.7	3.6	3.8	3.8	0
21	.70	0	0	0	0	0	0	3.6	3.6	3.8	3.6	0
22	.70	0	0	0	0	0	0	3.5	3.8	3.9	3.7	0
23	.70	0	0	0	0	0	0	3.4	3.6	3.8	3.8	0
24	.70	0	0	0	0	0	0	3.4	3.8	3.6	3.6	0
25	.70	0	0	0	0	0	0	3.4	3.8	3.6	3.7	0
26	.70	0	0	0	0	0	0	3.4	4.0	3.9	3.7	0
27	.70	0	0	0	0	0	0	3.4	4.5	3.7	3.6	0
28	.70	0	0	0	0	0	0	3.5	4.0	3.4	3.7	0
29	.70	0	0	0	---	0	0	3.6	4.3	3.9	3.8	0
30	.70	0	0	0	---	0	0	3.4	3.7	3.8	3.8	0
31	.70	---	0	0	---	0	---	3.7	---	3.8	3.8	---
TOTAL	22.88	9.34	0	0	0	0	0	72.7	102.8	111.5	116.2	49.6
MEAN	.74	.31	0	0	0	0	0	2.35	3.43	3.60	3.75	1.65
AC-FT	45	19	0	0	0	0	0	144	204	221	230	98
MAX	.94	.97	0	0	0	0	0	3.9	4.5	4.0	3.9	4.0
MIN	.69	0	0	0	0	0	0	0	1.6	3.3	3.5	0

CAL YR	2006	TOTAL	517.59	MEAN	1.42	MAX	4.3	MIN	0	AC-FT	1000
WTR YR	2007	TOTAL	485.02	MEAN	1.33	MAX	4.5	MIN	0	AC-FT	962

MAX DISCH: 6.45 CFS AT 10:00 ON Nov. 11, 2006 GH 0.42 FT. GH CORR. = +0.07 FT. SHIFT 0 FT.
MAX GH: 0.49 FT. (GH CORR. = +0.07 FT. APPLIED) AT 10:00 ON Nov. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO (COMBINED)

HIGHLAND CANAL near LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

REMARKS.--The combined record of discharges was obtained by the addition of Highland Canal daily flows to the corresponding daily flows in the Purgatoire River below Highland Dam. The peak discharge for the water year was 2050 cfs at 0630 on June 27, 2007. Combined record is fair, except during periods of estimated flow and flows greater than 500 cfs, which should be considered poor. Record developed by Div. II Hydrographic Staff.

PURGATOIRE RIVER BELOW HIGHLAND DAM AND HIGHLAND CANAL (COMBINED)

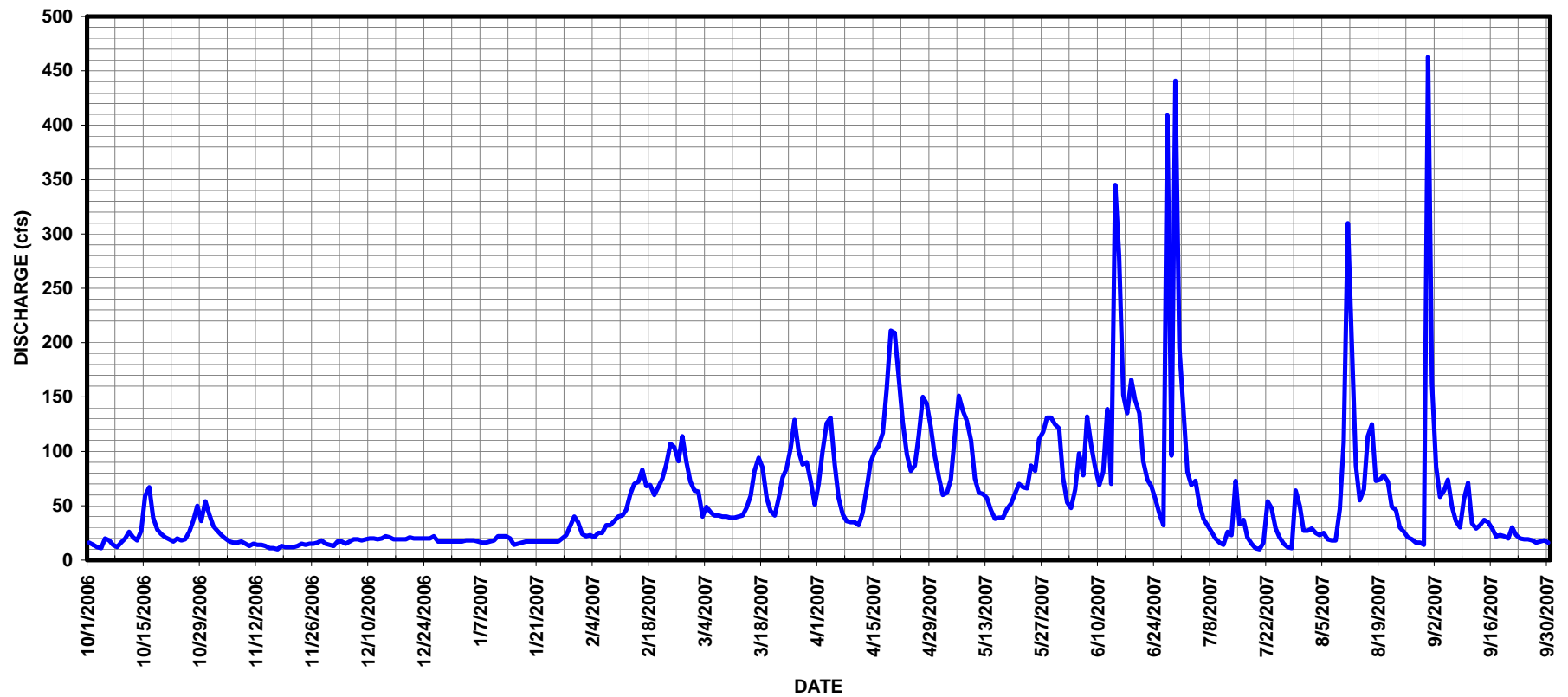
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	31	13	17	24	64	70	76	76	141	27	163
2	14	27	17	17	22	63	100	60	53	81	29	86
3	12	23	17	18	23	40	126	62	48	69	25	58
4	11	20	15	18	21	49	131	74	65	73	23	64
5	20	17	17	18	25	44	88	116	98	52	25	74
6	18	16	19	17	25	41	57	151	78	38	19	49
7	14	16	19	16	32	41	42	137	132	32	18	36
8	12	17	18	16	32	40	36	128	105	26	18	30
9	16	15	19	17	36	40	35	110	85	20	47	56
10	20	13	20	18	40	39	35	75	69	16	108	71
11	26	15	20	22	41	39	32	62	81	14	310	34
12	21	14	19	22	46	40	43	61	139	26	201	29
13	18	14	20	22	61	41	66	57	70	23	87	32
14	27	13	22	20	70	48	90	46	345	73	55	37
15	59	11	21	14	72	59	100	38	279	33	65	35
16	67	11	19	15	83	82	105	39	152	37	114	29
17	39	10	19	16	68	94	117	39	135	21	125	22
18	28	13	19	17	69	85	157	47	166	15	73	23
19	24	12	19	17	60	57	211	52	147	11	74	22
20	21	12	21	17	67	45	209	61	135	10	78	20
21	19	12	20	17	75	41	167	70	91	16	72	30
22	17	13	20	17	88	56	127	67	74	54	49	23
23	20	15	20	17	107	76	97	66	68	48	46	20
24	18	14	20	17	104	84	82	87	56	29	30	19
25	19	15	20	17	91	103	87	82	43	21	26	19
26	26	15	22	17	114	129	114	111	32	15	21	18
27	36	16	17	20	90	100	150	118	409	12	19	16
28	50	18	17	23	72	88	144	131	96	11	16	17
29	36	15	17	31	---	90	122	131	441	64	16	18
30	54	14	17	40	---	73	96	125	195	50	14	16
31	42	---	17	35	---	51	---	121	---	27	463	---
TOTAL	820	467	580	605	1658	1942	3036	2600	3963	1158	2293	1166
MEAN	27	16	19	20	59	63	101	84	132	37	74	39
AC-FT	1630	926	1150	1200	3290	3850	6020	5160	7860	2300	4550	2310
MAX	67	31	22	40	114	129	211	151	441	141	463	163
MIN	11	10	13	14	21	39	32	38	32	10	14	16
CAL YR 2006	TOTAL	10050	MEAN	27.5	MAX	427	MIN	0.92	AC-FT	19900		
WTR YR 2007	TOTAL	20288	MEAN	55.6	MAX	463	MIN	10	AC-FT	40240		

MAX. DISCHARGE: 2050 CFS AT 06:30 ON JUNE 27, 2007.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PURGATOIRE RIVER BELOW HIGHLAND DAM AND HIGHLAND CANAL NEAR LAS ANIMAS CO (COMBINED)
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE, CO

LOCATION.-- Latitude 37° 45' 46", Longitude 103° 14' 36" (Toonerville, Colorado quadrangle, 1:24000 scale) in the SE¼ SE¼ Sec.21, T26S, R52W, Bent County on the north bridge abutment where CR 11 crosses Muddy Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--Undetermined. The gage was established in the 1970's. It is unknown at this time how long the station was operated before it was abandoned. The station was reopened in the October of 2004 utilizing the existing stilling well.

GAGE.--Sutron SatLink-2 satellite-monitored data collection platform (DCP) and shaft encoder sheltered in a steel "half shelter" on a 24-inch CMP stilling well. The shaft encoder is referenced to a drop tape from an "I" beam on a rail along the bridge. A tipping bucket rain gage was installed on June 28, 2007. Elev. of gage is approximately 4,230 ft (from topographic map).

REMARKS.--The record is complete and reliable, except for the following periods: Oct. 1-26, 29-31, Nov. 1-30, Dec. 1-31, 2006, Jan. 1-3, 15-17, 20, Mar. 3-4, 9-23, June 29-30, July 1-31, Aug. 1-31, Sept. 1-8, 11-30, 2007, when mud in well resulted in incorrect gage heights; and, Feb. 24-25, 2007, when the gage was set incorrectly, with no record made to document the change. Muddy Creek is an ephemeral stream and flows are generally short duration spikes due to rainfall-runoff events. Numerous no flow and trace flow observations, as well as precipitation data collected at this site, were used to estimate periods of no/trace flow for the record. Record should be considered fair, except for periods with equipment problems, including mud in the stilling well, which should be considered poor. The flashy nature and remote location of the gage make it extremely difficult to operate. Station maintained by A. Adame and record developed by Mark Perry.

RATING TABLE.--MUDTOOCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

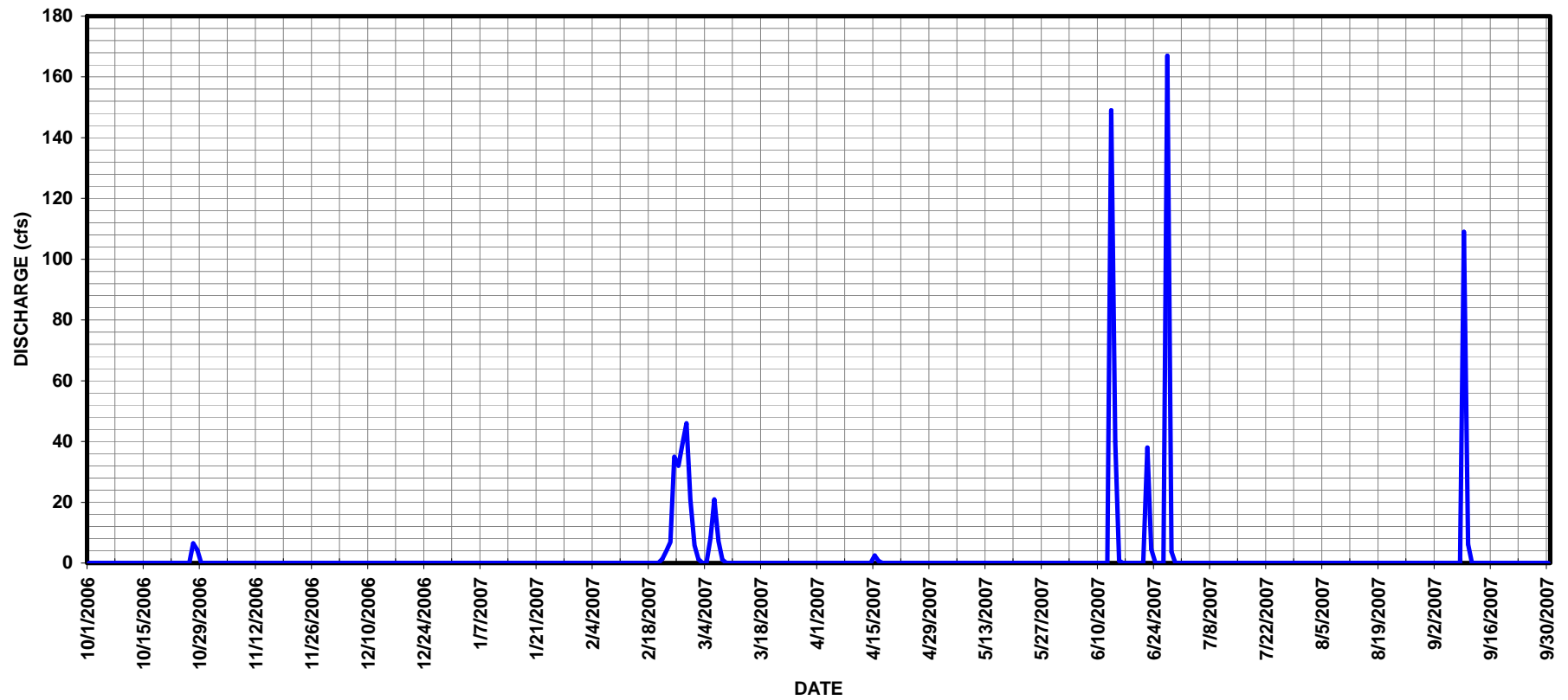
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	5.8	0	0	0	0	0	0
2	0	0	0	0	0	1.3	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	8.4	0	0	0	0	0	0
6	0	0	0	0	0	21	0	0	0	0	0	0
7	0	0	0	0	0	7.2	0	0	0	0	0	0
8	0	0	0	0	0	1.1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	109
10	0	0	0	0	0	0	0	0	0	0	0	6.2
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	149	0	0	0
14	0	0	0	0	0	0	0	0	40	0	0	0
15	0	0	0	0	0	0	2.5	0	.73	0	0	0
16	0	0	0	0	0	0	.67	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	1.4	0	0	0	0	0	0	0
22	0	0	0	0	3.9	0	0	0	38	0	0	0
23	0	0	0	0	6.9	0	0	0	4.6	0	0	0
24	0	0	0	0	35	0	0	0	0	0	0	0
25	0	0	0	0	32	0	0	0	0	0	0	0
26	0	0	0	0	39	0	0	0	0	0	0	0
27	6.5	0	0	0	46	0	0	0	167	0	0	0
28	4.3	0	0	0	21	0	0	0	3.7	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	10.8	0	0	0	185.2	44.8	3.17	0	403.03	0	0	115.2
MEAN	.35	0	0	0	6.61	1.45	.11	0	13.4	0	0	3.84
AC-FT	21	0	0	0	367	89	6.3	0	799	0	0	228
MAX	6.5	0	0	0	46	21	2.5	0	167	0	0	109
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR	2006	TOTAL	355.5	MEAN	0.97	MAX	145	MIN	0	AC-FT	705	
WTR YR	2007	TOTAL	762.2	MEAN	2.09	MAX	167	MIN	0	AC-FT	1510	

MAX DISCH: 788 CFS AT 03:45 ON Jun. 27, 2007 GH 9.04 FT. GH CORR. -0.08 FT. SHIFT -1.01 FT.
MAX GH: 8.96 FT. (GH CORR. -0.08 FT. APPLIED) AT 03:45 ON Jun. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE CO
WY2007 HYDROGRAPH



ARKANSAS RIVER BASIN

RULE CREEK AT HWY 101 NEAR TOONERVILLE CO

LOCATION.-- Latitude 37° 49' 12", Longitude 103° 10' 55" (Toonerville, Colorado quadrangle, 1:24000 scale) in the NW¼ Sec.6, T26S, R51W, Bent County on the downstream side of a bridge abutment at the crossing of Highway 101 and Rule Creek approximately 920 feet below the confluence of Muddy and Rule Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--Undetermined. The gage was established in the 1970's. It is unknown at this time how long the station was operated before it was abandoned. The station was reopened in the October of 2004 utilizing the existing stilling well.

GAUGE.--High data rate Sutron SatLink 2 DCP and Sutron Accububble mounted on the north side of the Highway 101 bridge over Rule Creek. Primary record is satellite-monitored data with satellite data used for backup purposes. A drop tape from the bridge is used as the reference gage. In July 2007 the orifice line was extended from the bridge pier out into the channel and a new muffler was installed. A drop wire weight was also installed in July 2007 and is now the primary reference gage. Two crest gages were installed on the north bridge pier adjacent to the Accububble muffler. Elevation of gage is approximately 4,120 ft above mean sea level from topographic map.

REMARKS.--The gage height record is complete and reliable, except for the following periods: Nov 1-30, Dec. 1-31, 2006, Jan. 1-17, June 29, 30, and July 1-24, 2007, due to Accububble sensor problems; April 1-30, May 1-31, and June 1-28, 2007, due to a clogged muffler; Jan. 18-31, and Feb 1-15, 2007, due to ice-affected gage heights; and, Oct. 18, 31, 2006, Mar. 9-31, July 25-31, Aug. 1-31, Sep. 1-8, 2007, when gage heights were not indicative of actual flow. Generally during these periods, gage heights would have indicated some flow, whereas site visits and data from the upstream MUDTOOCO gage showed that there was trace flow or no flow. Record is poor. The flashy nature and remote location of the gage make it extremely difficult to operate. Station maintained by A. Adame and record developed by Mark Perry.

RATING TABLE.--RULTOOCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

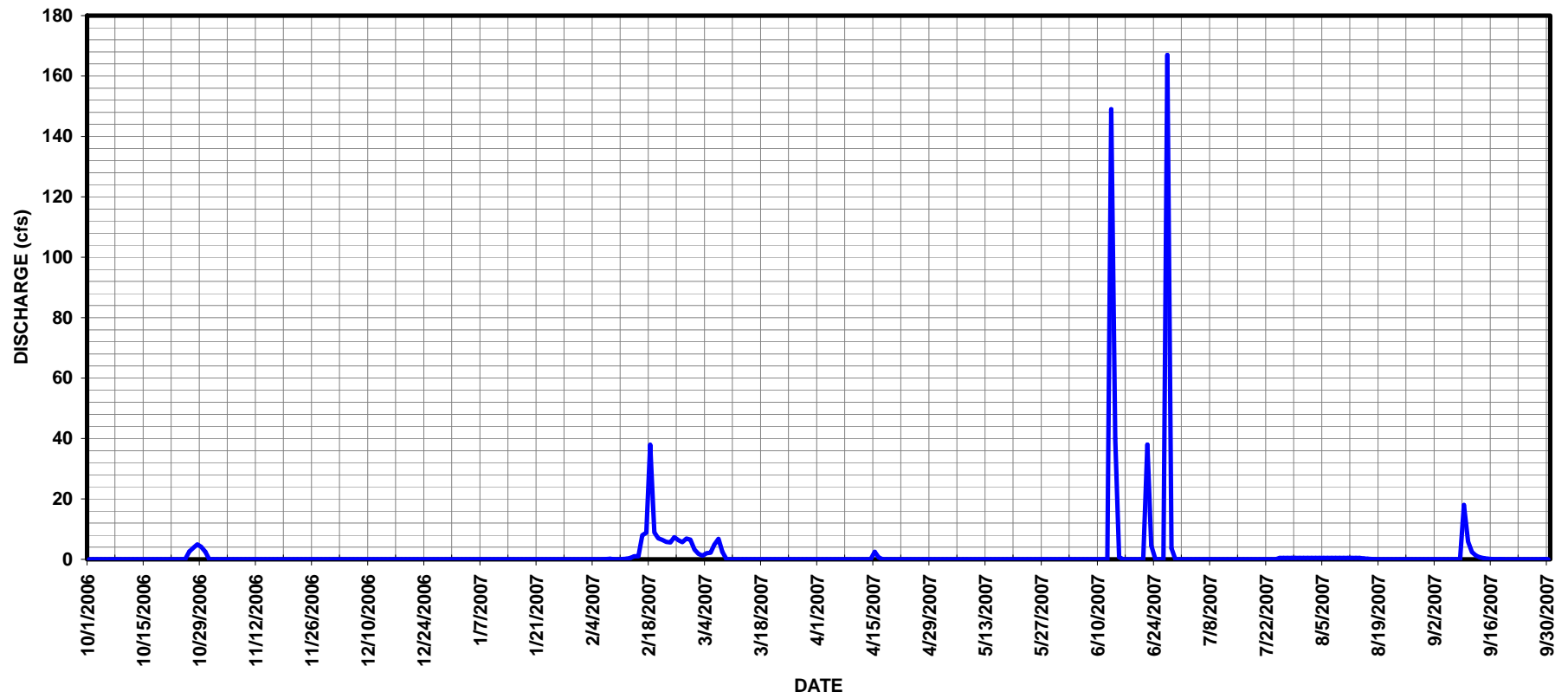
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	3.2	0	0	0	0	.50	0
2	0	0	0	0	0	1.8	0	0	0	0	.50	0
3	0	0	0	0	0	1.2	0	0	0	0	.50	0
4	0	0	0	0	0	2.0	0	0	0	0	.50	0
5	0	0	0	0	0	2.2	0	0	0	0	.50	0
6	0	0	0	0	0	4.9	0	0	0	0	.50	0
7	0	0	0	0	.10	6.8	0	0	0	0	.50	0
8	0	0	0	0	.20	2.5	0	0	0	0	.50	0
9	0	0	0	0	0	0	0	0	0	0	.50	18
10	0	0	0	0	0	0	0	0	0	0	.50	5.9
11	0	0	0	0	.10	0	0	0	0	0	.50	2.4
12	0	0	0	0	.20	0	0	0	0	0	.50	1.2
13	0	0	0	0	.50	0	0	0	149	0	.50	.68
14	0	0	0	0	1.0	0	0	0	40	0	.50	.35
15	0	0	0	0	1.0	0	2.5	0	.73	0	.30	.18
16	0	0	0	0	8.0	0	.67	0	0	0	.20	.11
17	0	0	0	0	8.8	0	0	0	0	0	.10	.03
18	0	0	0	0	38	0	0	0	0	0	0	.12
19	0	0	0	0	8.9	0	0	0	0	0	0	0
20	0	0	0	0	7.0	0	0	0	0	0	0	0
21	0	0	0	0	6.4	0	0	0	0	0	0	0
22	0	0	0	0	5.8	0	0	0	38	0	0	0
23	0	0	0	0	5.6	0	0	0	4.6	0	0	0
24	0	0	0	0	7.3	0	0	0	0	0	0	0
25	0	0	0	0	6.3	0	0	0	0	.50	0	0
26	2.6	0	0	0	5.7	0	0	0	0	.50	0	.02
27	3.8	0	0	0	6.9	0	0	0	167	.50	0	.02
28	5.0	0	0	0	6.5	0	0	0	3.7	.50	0	0
29	4.1	0	0	0	---	0	0	0	0	.50	0	.05
30	2.5	0	0	0	---	0	0	0	0	.50	0	0
31	0	---	0	0	---	0	---	0	---	.50	0	---
TOTAL	18.0	0	0	0	124.30	24.6	3.17	0	403.03	3.50	7.60	29.06
MEAN	.58	0	0	0	4.44	.79	.11	0	13.4	.11	.25	.97
AC-FT	36	0	0	0	247	49	6.3	0	799	6.9	15	58
MAX	5.0	0	0	0	38	6.8	2.5	0	167	.50	.50	18
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR	2006	TOTAL	1155.7	MEAN	3.17	MAX	471	MIN	0	AC-FT	2290	
WTR YR	2007	TOTAL	613.26	MEAN	1.68	MAX	167	MIN	0	AC-FT	1220	

MAX DISCH: 167 CFS AT 15:15 ON SEP. 9, 2007 GH 4.61 FT. SHIFT -.48 FT.
MAX GH: 4.61 FT. AT 15:15 ON SEP. 9, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

RULE CREEK AT HWY 101 NEAR TOONERVILLE CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREMONT PASS, CO.

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 6-foot steel Parshall Flume.

REMARKS.--Record is complete and reliable, except for the following days: May 12, 13, 18, 23-27, 30, 31, June 1, 7, 8, 2007, when ice affected the stage-discharge relationship. Record good, except for periods of ice-affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COLDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

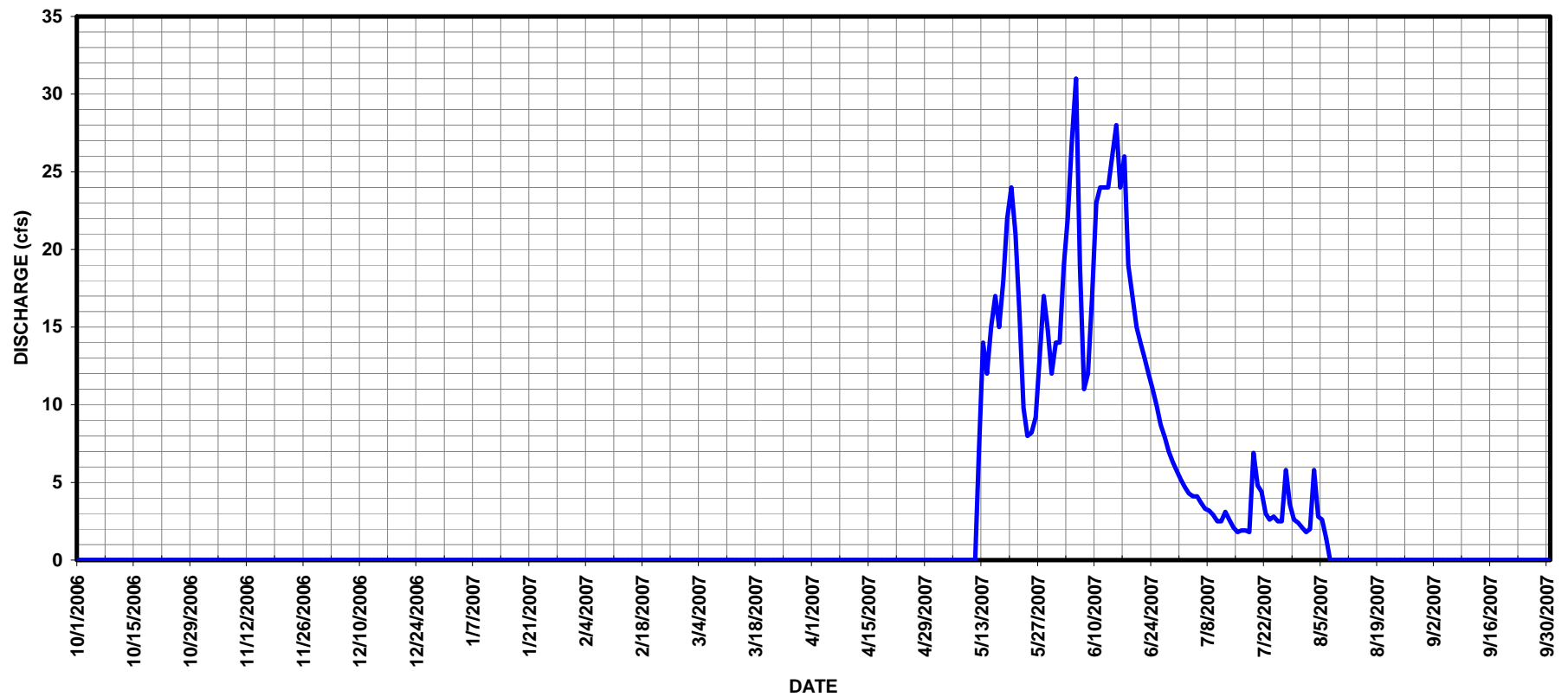
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	14	5.2	1.8	0
2	0	0	0	0	0	0	0	0	19	4.7	2.0	0
3	0	0	0	0	0	0	0	0	22	4.3	5.8	0
4	0	0	0	0	0	0	0	0	27	4.1	2.8	0
5	0	0	0	0	0	0	0	0	31	4.1	2.6	0
6	0	0	0	0	0	0	0	0	19	3.7	1.4	0
7	0	0	0	0	0	0	0	0	11	3.3	0	0
8	0	0	0	0	0	0	0	0	12	3.2	0	0
9	0	0	0	0	0	0	0	0	17	2.9	0	0
10	0	0	0	0	0	0	0	0	23	2.5	0	0
11	0	0	0	0	0	0	0	0	24	2.5	0	0
12	0	0	0	0	0	0	0	7.0	24	3.1	0	0
13	0	0	0	0	0	0	0	14	24	2.6	0	0
14	0	0	0	0	0	0	0	12	26	2.1	0	0
15	0	0	0	0	0	0	0	15	28	1.8	0	0
16	0	0	0	0	0	0	0	17	24	1.9	0	0
17	0	0	0	0	0	0	0	15	26	1.9	0	0
18	0	0	0	0	0	0	0	18	19	1.8	0	0
19	0	0	0	0	0	0	0	22	17	6.9	0	0
20	0	0	0	0	0	0	0	24	15	4.8	0	0
21	0	0	0	0	0	0	0	21	14	4.4	0	0
22	0	0	0	0	0	0	0	16	13	3.0	0	0
23	0	0	0	0	0	0	0	9.8	12	2.6	0	0
24	0	0	0	0	0	0	0	8.0	11	2.8	0	0
25	0	0	0	0	0	0	0	8.2	9.9	2.5	0	0
26	0	0	0	0	0	0	0	9.2	8.7	2.5	0	0
27	0	0	0	0	0	0	0	13	7.9	5.8	0	0
28	0	0	0	0	0	0	0	17	7.0	3.6	0	0
29	0	0	0	0	---	0	0	15	6.3	2.6	0	0
30	0	0	0	0	---	0	0	12	5.7	2.4	0	0
31	0	---	0	0	---	0	---	14	---	2.1	0	---
TOTAL	0	0	0	0	0	0	0	287.2	517.5	101.7	16.4	0
MEAN	0	0	0	0	0	0	0	9.26	17.3	3.28	.53	0
AC-FT	0	0	0	0	0	0	0	570	1030	202	33	0
MAX	0	0	0	0	0	0	0	24	31	6.9	5.8	0
MIN	0	0	0	0	0	0	0	0	5.7	1.8	0	0

CAL YR	2006	TOTAL	978.98	MEAN	2.68	MAX	39	MIN	0	AC-FT	1940
WTR YR	2007	TOTAL	922.8	MEAN	2.53	MAX	31	MIN	0	AC-FT	1830

MAX DISCH: 49.8 CFS AT 17:15 ON Jun. 15, 2007 GH 1.55 FT. SHIFT 0.03 FT.
MAX GH: 1.55 FT. AT 17:15 ON Jun. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09061500 COLUMBINE DITCH NEAR FREMONT PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 4-foot steel Parshall Flume.

REMARKS.--Record is complete and reliable, except for the following days when the stage- discharge relationship was affected by ice in the flume: May 4, 8, 9, 2007. Record good, except for periods of ice effects, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

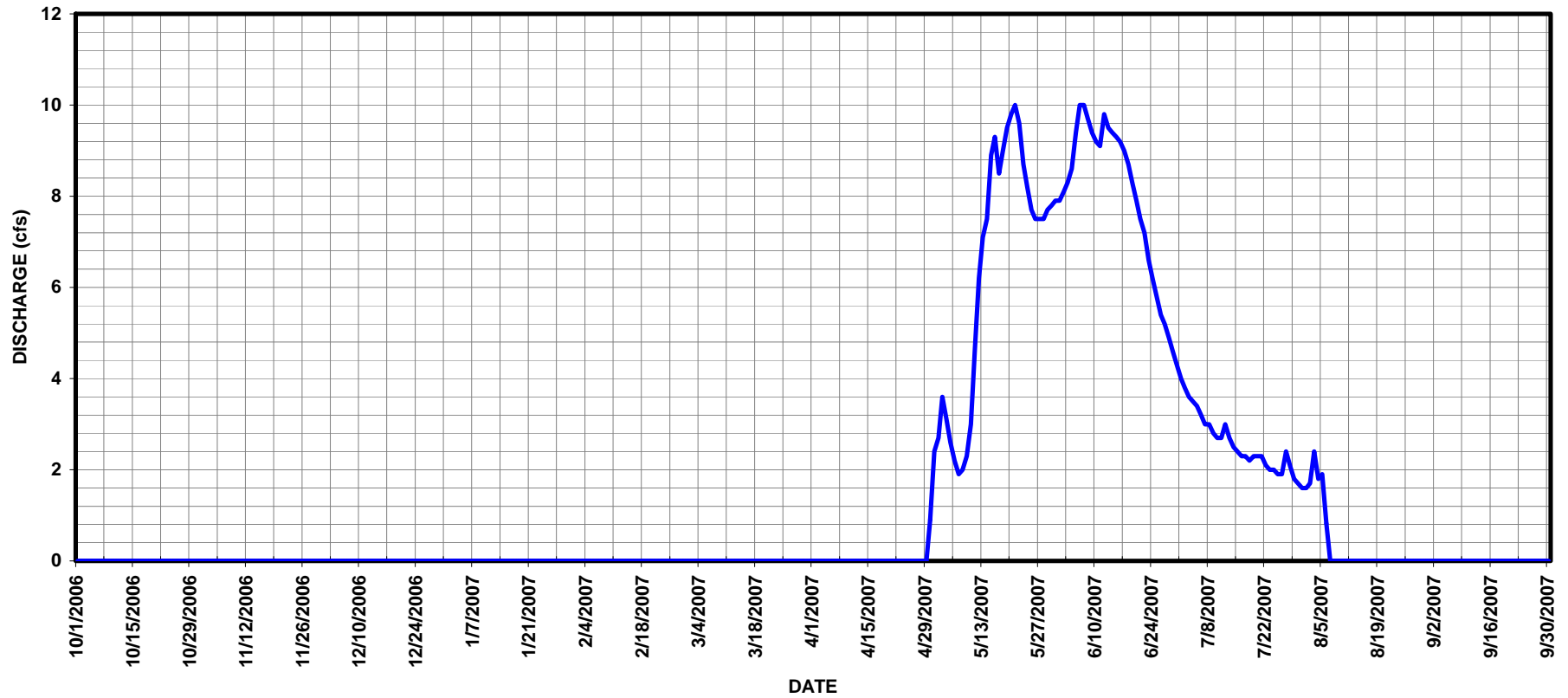
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.4	7.9	4.0	1.6	0
2	0	0	0	0	0	0	0	2.7	8.1	3.8	1.7	0
3	0	0	0	0	0	0	0	3.6	8.3	3.6	2.4	0
4	0	0	0	0	0	0	0	3.1	8.6	3.5	1.8	0
5	0	0	0	0	0	0	0	2.6	9.4	3.4	1.9	0
6	0	0	0	0	0	0	0	2.2	10	3.2	.82	0
7	0	0	0	0	0	0	0	1.9	10	3.0	0	0
8	0	0	0	0	0	0	0	2.0	9.7	3.0	0	0
9	0	0	0	0	0	0	0	2.3	9.4	2.8	0	0
10	0	0	0	0	0	0	0	3.0	9.2	2.7	0	0
11	0	0	0	0	0	0	0	4.6	9.1	2.7	0	0
12	0	0	0	0	0	0	0	6.2	9.8	3.0	0	0
13	0	0	0	0	0	0	0	7.1	9.5	2.7	0	0
14	0	0	0	0	0	0	0	7.5	9.4	2.5	0	0
15	0	0	0	0	0	0	0	8.9	9.3	2.4	0	0
16	0	0	0	0	0	0	0	9.3	9.2	2.3	0	0
17	0	0	0	0	0	0	0	8.5	9.0	2.3	0	0
18	0	0	0	0	0	0	0	9.0	8.7	2.2	0	0
19	0	0	0	0	0	0	0	9.5	8.3	2.3	0	0
20	0	0	0	0	0	0	0	9.8	7.9	2.3	0	0
21	0	0	0	0	0	0	0	10	7.5	2.3	0	0
22	0	0	0	0	0	0	0	9.6	7.2	2.1	0	0
23	0	0	0	0	0	0	0	8.7	6.6	2.0	0	0
24	0	0	0	0	0	0	0	8.2	6.2	2.0	0	0
25	0	0	0	0	0	0	0	7.7	5.8	1.9	0	0
26	0	0	0	0	0	0	0	7.5	5.4	1.9	0	0
27	0	0	0	0	0	0	0	7.5	5.2	2.4	0	0
28	0	0	0	0	0	0	0	7.5	4.9	2.1	0	0
29	0	0	0	0	---	0	0	7.7	4.6	1.8	0	0
30	0	0	0	0	---	0	.90	7.8	4.3	1.7	0	0
31	0	---	0	0	---	0	---	7.9	---	1.6	0	---
TOTAL	0	0	0	0	0	0	.90	196.3	238.5	79.5	10.22	0
MEAN	0	0	0	0	0	0	.030	6.33	7.95	2.56	.33	0
AC-FT	0	0	0	0	0	0	1.8	389	473	158	20	0
MAX	0	0	0	0	0	0	.90	10	10	4.0	2.4	0
MIN	0	0	0	0	0	0	0	1.9	4.3	1.6	0	0

CAL YR	2006	TOTAL	485.71	MEAN	1.33	MAX	11	MIN	0	AC-FT	963
WTR YR	2007	TOTAL	525.42	MEAN	1.44	MAX	10	MIN	0	AC-FT	1040

MAX DISCH: 12.4 CFS AT 17:00 ON May. 15, 2007 GH 0.88 FT. SHIFT -0.03 FT.
MAX GH: 0.88 FT. AT 17:00 ON May. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09062000 EWING DITCH AT TENNESSEE PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP and logger) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 6-foot steel Parshall Flume.

REMARKS.--Record is complete and reliable, except for the following periods: May 1, 6, 8, 9, 23, 24, 2007, when the stage-discharge relationship was ice-affected; and the period surrounding May 8 & May 24, 2007, when shaft encoder temporarily malfunctioned. Record good, except for those periods of ice affected record, which are poor, and the period of equipment malfunction, which is fair. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WURDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

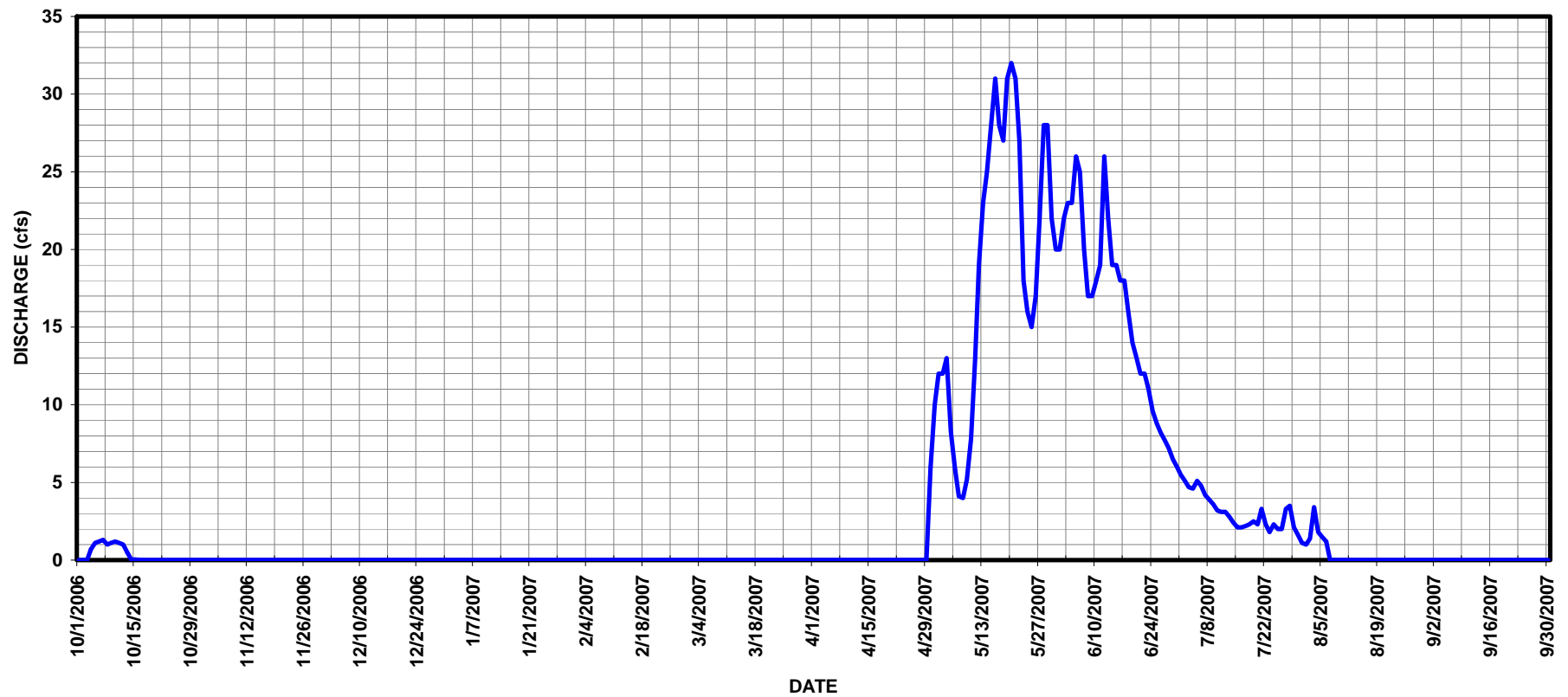
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	10	20	5.5	1.0	0
2	0	0	0	0	0	0	0	12	22	5.1	1.4	0
3	0	0	0	0	0	0	0	12	23	4.7	3.4	0
4	.69	0	0	0	0	0	0	13	23	4.6	1.8	0
5	1.1	0	0	0	0	0	0	8.3	26	5.1	1.5	0
6	1.2	0	0	0	0	0	0	5.9	25	4.8	1.2	0
7	1.3	0	0	0	0	0	0	4.1	20	4.2	0	0
8	1.0	0	0	0	0	0	0	4.0	17	3.9	0	0
9	1.1	0	0	0	0	0	0	5.2	17	3.6	0	0
10	1.2	0	0	0	0	0	0	7.8	18	3.2	0	0
11	1.1	0	0	0	0	0	0	13	19	3.1	0	0
12	1.0	0	0	0	0	0	0	19	26	3.1	0	0
13	.48	0	0	0	0	0	0	23	22	2.8	0	0
14	.03	0	0	0	0	0	0	25	19	2.4	0	0
15	.03	0	0	0	0	0	0	28	19	2.1	0	0
16	.02	0	0	0	0	0	0	31	18	2.1	0	0
17	0	0	0	0	0	0	0	28	18	2.2	0	0
18	0	0	0	0	0	0	0	27	16	2.3	0	0
19	0	0	0	0	0	0	0	31	14	2.5	0	0
20	0	0	0	0	0	0	0	32	13	2.3	0	0
21	0	0	0	0	0	0	0	31	12	3.3	0	0
22	0	0	0	0	0	0	0	27	12	2.3	0	0
23	0	0	0	0	0	0	0	18	11	1.8	0	0
24	0	0	0	0	0	0	0	16	9.6	2.3	0	0
25	0	0	0	0	0	0	0	15	8.8	2.0	0	0
26	0	0	0	0	0	0	0	17	8.2	2.0	0	0
27	0	0	0	0	0	0	0	22	7.7	3.3	0	0
28	0	0	0	0	0	0	0	28	7.2	3.5	0	0
29	0	0	0	0	---	0	0	28	6.5	2.1	0	0
30	0	0	0	0	---	0	6.0	22	6.0	1.6	0	0
31	0	---	0	0	---	0	---	20	---	1.1	0	---
TOTAL	10.25	0	0	0	0	0	6.0	583.3	484.0	94.9	10.3	0
MEAN	.33	0	0	0	0	0	.20	18.8	16.1	3.06	.33	0
AC-FT	20	0	0	0	0	0	12	1160	960	188	20	0
MAX	1.3	0	0	0	0	0	6.0	32	26	5.5	3.4	0
MIN	0	0	0	0	0	0	0	4.0	6.0	1.1	0	0

CAL YR	2006	TOTAL	365.92	MEAN	1.00	MAX	12	MIN	0	AC-FT	726
WTR YR	2007	TOTAL	1188.75	MEAN	3.26	MAX	32	MIN	0	AC-FT	2360

MAX DISCH: 41.6 CFS AT 21:00 ON May. 28, 2007 GH 1.37 FT. SHIFT 0.04 FT.
MAX GH: 1.37 FT. AT 21:00 ON May. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09062500 WURTZ DITCH NEAR TENNESSEE PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION AT TENNESSEE PASS NEAR LEADVILLE, CO

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink HDR DCP) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 6-foot, steel Parshall flume. Control is a 6-foot steel Parshall flume.

REMARKS.--Record is complete and reliable, except for the periods: May 2-5, 7-9, 23-25, June 8, 2007, when ice affected the stage-discharge relationship. Record good, except during periods of ice affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WUREXD001 USED FROM 01-OCT-2006 TO 30-SEP-2007

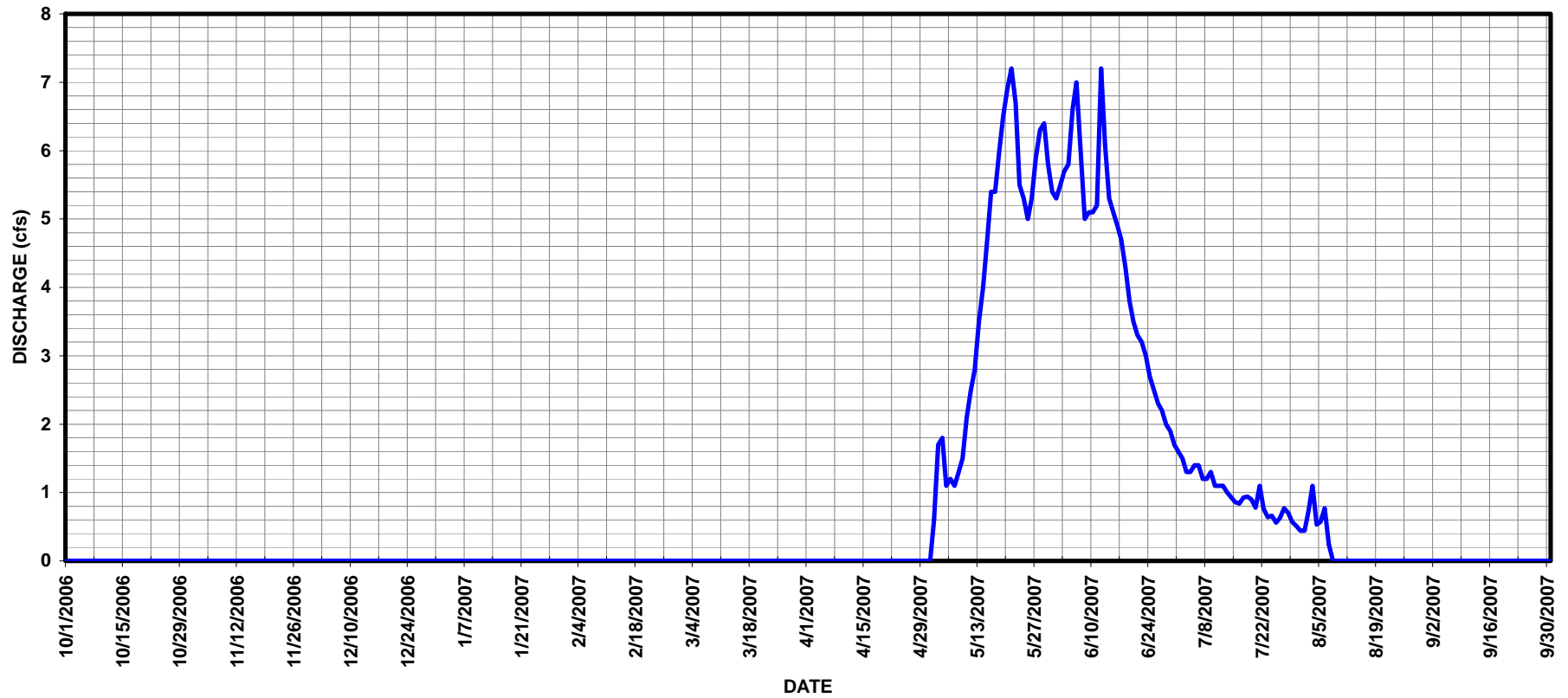
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	5.3	1.6	.44	0
2	0	0	0	0	0	0	0	.60	5.5	1.5	.73	0
3	0	0	0	0	0	0	0	1.7	5.7	1.3	1.1	0
4	0	0	0	0	0	0	0	1.8	5.8	1.3	.53	0
5	0	0	0	0	0	0	0	1.1	6.6	1.4	.57	0
6	0	0	0	0	0	0	0	1.2	7.0	1.4	.77	0
7	0	0	0	0	0	0	0	1.1	6.0	1.2	.24	0
8	0	0	0	0	0	0	0	1.3	5.0	1.2	0	0
9	0	0	0	0	0	0	0	1.5	5.1	1.3	0	0
10	0	0	0	0	0	0	0	2.1	5.1	1.1	0	0
11	0	0	0	0	0	0	0	2.5	5.2	1.1	0	0
12	0	0	0	0	0	0	0	2.8	7.2	1.1	0	0
13	0	0	0	0	0	0	0	3.5	6.1	1.0	0	0
14	0	0	0	0	0	0	0	4.0	5.3	.93	0	0
15	0	0	0	0	0	0	0	4.7	5.1	.86	0	0
16	0	0	0	0	0	0	0	5.4	4.9	.84	0	0
17	0	0	0	0	0	0	0	5.4	4.7	.93	0	0
18	0	0	0	0	0	0	0	6.0	4.3	.94	0	0
19	0	0	0	0	0	0	0	6.5	3.8	.90	0	0
20	0	0	0	0	0	0	0	6.9	3.5	.78	0	0
21	0	0	0	0	0	0	0	7.2	3.3	1.1	0	0
22	0	0	0	0	0	0	0	6.7	3.2	.76	0	0
23	0	0	0	0	0	0	0	5.5	3.0	.64	0	0
24	0	0	0	0	0	0	0	5.3	2.7	.66	0	0
25	0	0	0	0	0	0	0	5.0	2.5	.56	0	0
26	0	0	0	0	0	0	0	5.3	2.3	.63	0	0
27	0	0	0	0	0	0	0	5.9	2.2	.77	0	0
28	0	0	0	0	0	0	0	6.3	2.0	.70	0	0
29	0	0	0	0	---	0	0	6.4	1.9	.57	0	0
30	0	0	0	0	---	0	0	5.8	1.7	.51	0	0
31	0	---	0	0	---	0	---	5.4	---	.44	0	---
TOTAL	0	0	0	0	0	0	0	124.90	132.0	30.02	4.38	0
MEAN	0	0	0	0	0	0	0	4.03	4.40	.97	.14	0
AC-FT	0	0	0	0	0	0	0	248	262	60	8.7	0
MAX	0	0	0	0	0	0	0	7.2	7.2	1.6	1.1	0
MIN	0	0	0	0	0	0	0	0	1.7	.44	0	0
CAL YR 2006	TOTAL	355.67	MEAN	.97	MAX	12	MIN	0	AC-FT	705		
WTR YR 2007	TOTAL	291.3	MEAN	.8	MAX	7.2	MIN	0	AC-FT	578		

MAX DISCH: 9.52 CFS AT 10:45 ON May. 24, 2007 GH 0.56 FT. SHIFT -.01 FT.
MAX GH: 0.56 FT. AT 10:45 ON May. 24, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WURTZ DITCH EXTENSION AT TENNESSEE PASS NEAR LEADVILLE CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK, CO

LOCATION.--Lat 39°16'52", long 106°25'56"; Homestake tunnel diverts water from Homestake Lake, in sec. 17, T. 8 S., R. 81 W., in Eagle River basin, to Lake Fork Creek in Arkansas River basin.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 4 ft x 4 ft wood shelter and concrete well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to inside electric tape gage. Control is a 12-foot concrete Parshall Flume.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

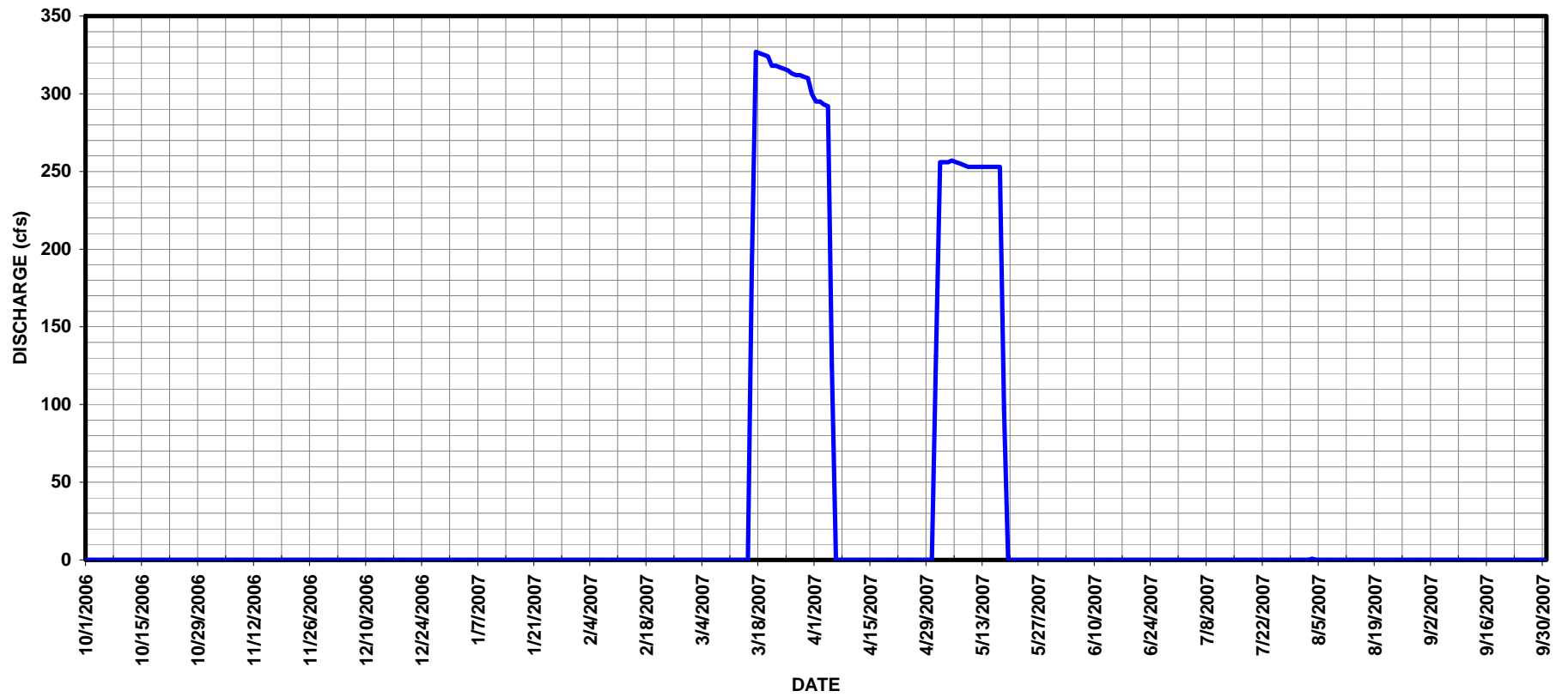
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	295	131	0	0	0	0
2	0	0	0	0	0	0	295	256	0	0	0	0
3	0	0	0	0	0	0	293	256	0	0	.75	0
4	0	0	0	0	0	0	292	256	0	0	0	0
5	0	0	0	0	0	0	125	257	0	0	0	0
6	0	0	0	0	0	0	0	256	0	0	0	0
7	0	0	0	0	0	0	0	255	0	0	0	0
8	0	0	0	0	0	0	0	254	0	0	0	0
9	0	0	0	0	0	0	0	253	0	0	0	0
10	0	0	0	0	0	0	0	253	0	0	0	0
11	0	0	0	0	0	0	0	253	0	0	0	0
12	0	0	0	0	0	0	0	253	0	0	0	0
13	0	0	0	0	0	0	0	253	0	0	0	0
14	0	0	0	0	0	0	0	253	0	0	0	0
15	0	0	0	0	0	0	0	253	0	0	0	0
16	0	0	0	0	0	185	0	253	0	0	0	0
17	0	0	0	0	0	327	0	253	0	0	0	0
18	0	0	0	0	0	326	0	98	0	0	0	0
19	0	0	0	0	0	325	0	0	0	0	0	0
20	0	0	0	0	0	324	0	0	0	0	0	0
21	0	0	0	0	0	318	0	0	0	0	0	0
22	0	0	0	0	0	318	0	0	0	0	0	0
23	0	0	0	0	0	317	0	0	0	0	0	0
24	0	0	0	0	0	316	0	0	0	0	0	0
25	0	0	0	0	0	315	0	0	0	0	0	0
26	0	0	0	0	0	313	0	0	0	0	0	0
27	0	0	0	0	0	312	0	0	0	0	0	0
28	0	0	0	0	0	312	0	0	0	0	0	0
29	0	0	0	0	---	311	0	0	0	0	0	0
30	0	0	0	0	---	310	0	0	0	0	0	0
31	0	---	0	0	---	300	---	0	---	0	0	---
TOTAL	0	0	0	0	0	4929	1300	4296	0	0	.75	0
MEAN	0	0	0	0	0	159	43.3	139	0	0	.024	0
AC-FT	0	0	0	0	0	9780	2580	8520	0	0	1.5	0
MAX	0	0	0	0	0	327	295	257	0	0	.75	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	16379.8	MEAN	44.9	MAX	308	MIN	0	AC-FT	32490
WTR YR	2007	TOTAL	10525.75	MEAN	28.8	MAX	327	MIN	0	AC-FT	20880

MAX DISCH: 328 CFS AT 11:00 ON Mar. 16, 2007 GH 3.3 FT. SHIFT 0.08 FT.
MAX GH: 3.3 FT. AT 11:00 ON Mar. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

LOCATION.--Lat 39°16'40", long 106°25'40"; Charles H. Boustead Tunnel diverts water from the main stem and tributaries of Fryingpan River in Colorado River basin, to Lake Fork in sec. 10, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--Graphic water-stage recorder with satellite-monitored data collection platform (Sutron 8210 high data rate DCP) and shaft encoder in a 5'x 5' concrete shelter. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to inside drop tape and RP with an outside staff gage in the flume used as a supplemental reference gage. An electric tape gage was installed on Aug. 20, 2003. Control is a 15-foot concrete Parshall Flume.

REMARKS.--Record is complete and reliable, except for the following periods: Oct. 1 - Nov. 6, 2006, when maintenance was being performed in the tunnel and a flume by-pass drain was used, resulting in these periods becoming estimated days. Record fair. The Boustead Tunnel flume is located approximately 90 feet downstream of the mouth of Boustead Tunnel. There are no provisions over this 90-foot reach for a deeper channel section prior to the flume entrance, nor any other channel modifications, to help still and slow the flow to the recommended tranquil flow conditions. Observations of flow conditions at higher stages over the past several years have indicated the approach velocities to the flume are too high and poorly distributed by the time flow reaches the flume entrance. This results in increasing positive shifts to the standard 15-ft. Parshall Flume rating as stage increases. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--BOUTUNCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

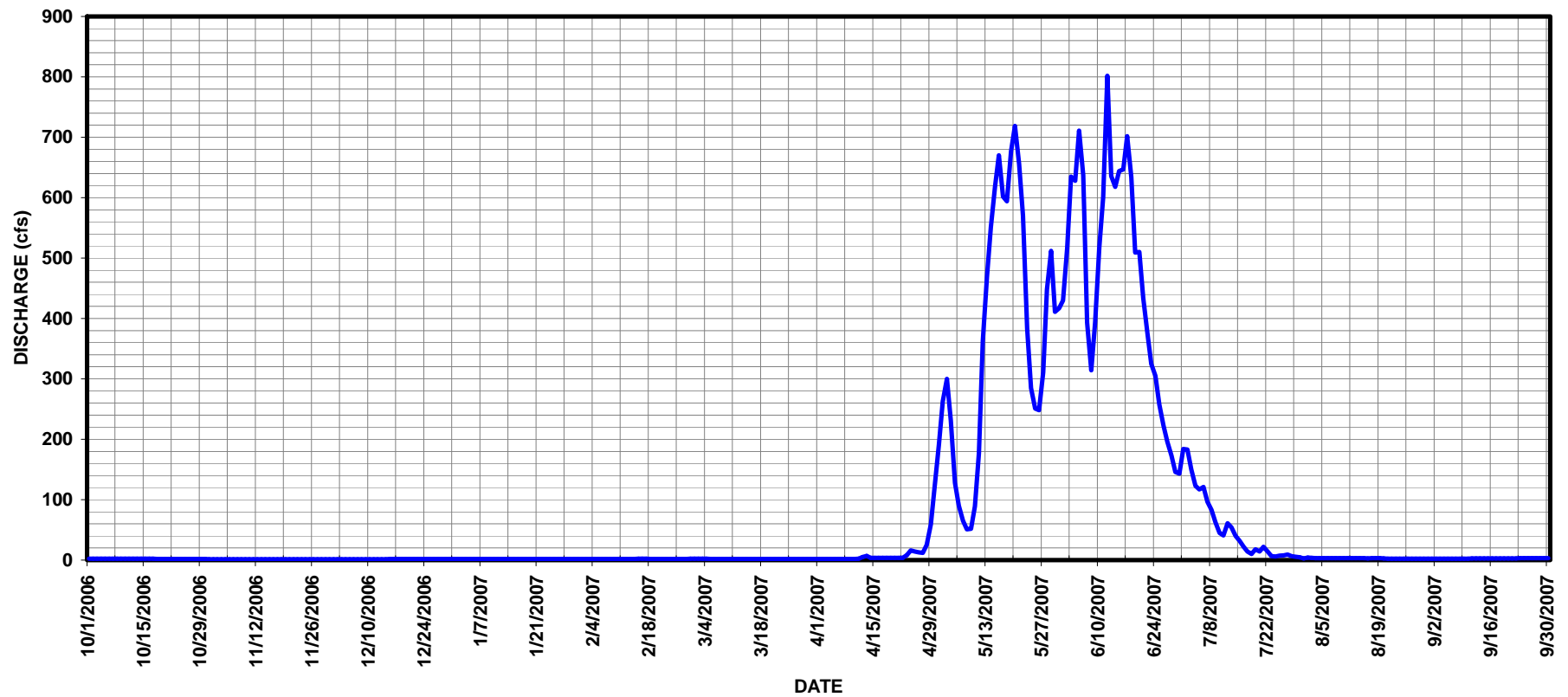
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	1.6	1.4	1.7	1.7	2.2	1.8	191	430	184	4.2	2.5
2	2.5	1.6	1.4	1.7	1.7	2.2	1.9	263	516	183	3.6	2.5
3	2.5	1.6	1.4	1.7	1.7	2.2	1.9	300	635	150	3.1	2.5
4	2.4	1.5	1.4	1.7	1.7	2.2	1.9	231	628	123	3.1	2.5
5	2.4	1.5	1.4	1.7	1.7	1.9	1.9	128	711	117	3.1	2.5
6	2.4	1.5	1.4	1.7	1.8	1.9	1.9	90	637	121	3.1	2.5
7	2.4	1.4	1.4	1.7	1.9	1.9	1.9	65	393	97	3.1	2.5
8	2.3	1.4	1.4	1.7	1.9	1.9	1.9	51	314	83	3.1	2.5
9	2.3	1.4	1.4	1.7	1.9	1.9	1.9	52	394	63	3.1	2.5
10	2.3	1.4	1.4	1.7	1.9	1.9	1.9	89	518	45	3.1	2.5
11	2.2	1.4	1.4	1.7	1.9	1.9	2.1	177	601	41	3.1	2.6
12	2.2	1.4	1.4	1.7	1.9	1.9	4.9	363	802	61	3.1	2.7
13	2.2	1.4	1.4	1.7	1.9	1.8	6.9	469	636	54	3.1	2.8
14	2.1	1.4	1.5	1.7	2.0	1.8	3.7	551	618	40	3.1	2.8
15	2.1	1.4	1.7	1.7	2.2	1.7	3.7	618	644	32	3.0	2.8
16	2.1	1.4	1.7	1.7	2.2	1.7	3.7	670	647	22	2.9	2.8
17	2.1	1.4	1.7	1.7	2.1	1.7	3.7	602	702	14	3.0	2.8
18	2.0	1.4	1.7	1.7	1.9	1.7	3.7	594	634	10	3.1	2.8
19	2.0	1.4	1.7	1.7	1.9	1.7	3.7	677	509	18	3.0	2.8
20	2.0	1.4	1.7	1.7	1.9	1.7	3.7	719	510	14	2.6	2.8
21	1.9	1.4	1.7	1.7	1.9	1.8	3.7	656	434	22	2.3	2.8
22	1.9	1.4	1.7	1.7	1.9	1.8	3.7	570	376	14	2.2	2.9
23	1.9	1.4	1.7	1.7	1.9	1.7	8.2	384	325	6.4	2.2	3.1
24	1.9	1.4	1.7	1.7	1.9	1.7	16	285	305	5.8	2.2	3.1
25	1.8	1.4	1.7	1.7	1.9	1.7	14	251	258	7.3	2.2	3.1
26	1.8	1.4	1.7	1.7	1.9	1.8	13	248	223	8.0	2.2	3.1
27	1.8	1.4	1.7	1.7	2.0	1.9	12	311	196	9.1	2.2	3.1
28	1.7	1.4	1.7	1.7	2.2	1.9	25	448	173	6.6	2.2	3.1
29	1.7	1.4	1.7	1.7	---	1.9	59	512	146	5.3	2.2	3.1
30	1.7	1.4	1.7	1.7	---	1.7	123	411	143	4.6	2.2	3.1
31	1.6	---	1.7	1.7	---	1.8	---	417	---	2.6	2.3	---
TOTAL	64.7	42.9	48.6	52.7	53.4	57.5	336.3	11393	14058	1563.7	87.0	83.2
MEAN	2.09	1.43	1.57	1.70	1.91	1.85	11.2	368	469	50.4	2.81	2.77
AC-FT	128	85	96	105	106	114	667	22600	27880	3100	173	165
MAX	2.5	1.6	1.7	1.7	2.2	2.2	123	719	802	184	4.2	3.1
MIN	1.6	1.4	1.4	1.7	1.7	1.7	1.8	51	143	2.6	2.2	2.5

CAL YR	2006	TOTAL	31463.6	MEAN	86.2	MAX	922	MIN	1.0	AC-FT	62410
WTR YR	2007	TOTAL	27841	MEAN	76.3	MAX	802	MIN	1.4	AC-FT	55220

MAX DISCH: 931 CFS AT 21:15 ON Jun. 5, 2007 GH 5.42 FT. SHIFT 0.26 FT.
MAX GH: 5.42 FT. AT 21:15 ON Jun. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA, CO

LOCATION.--Lat 39°14'55", long 106°28'14"; Water diverted from Ivanhoe Lake, tributary to Fryingpan River in sec. 13, T. 9 S., R. 82 W., in Roaring Fork River basin, to Busk Creek (tributary to Lake Fork) in sec. 20, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 3'x3' metal and wood shelter. Satellite monitored DCP is the primary source of stage data with chart record used for backup. Shaft encoder and chart are set to outside staff gage in the flume. Control is an 8-foot steel Parshall Flume.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--BUSTUNCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

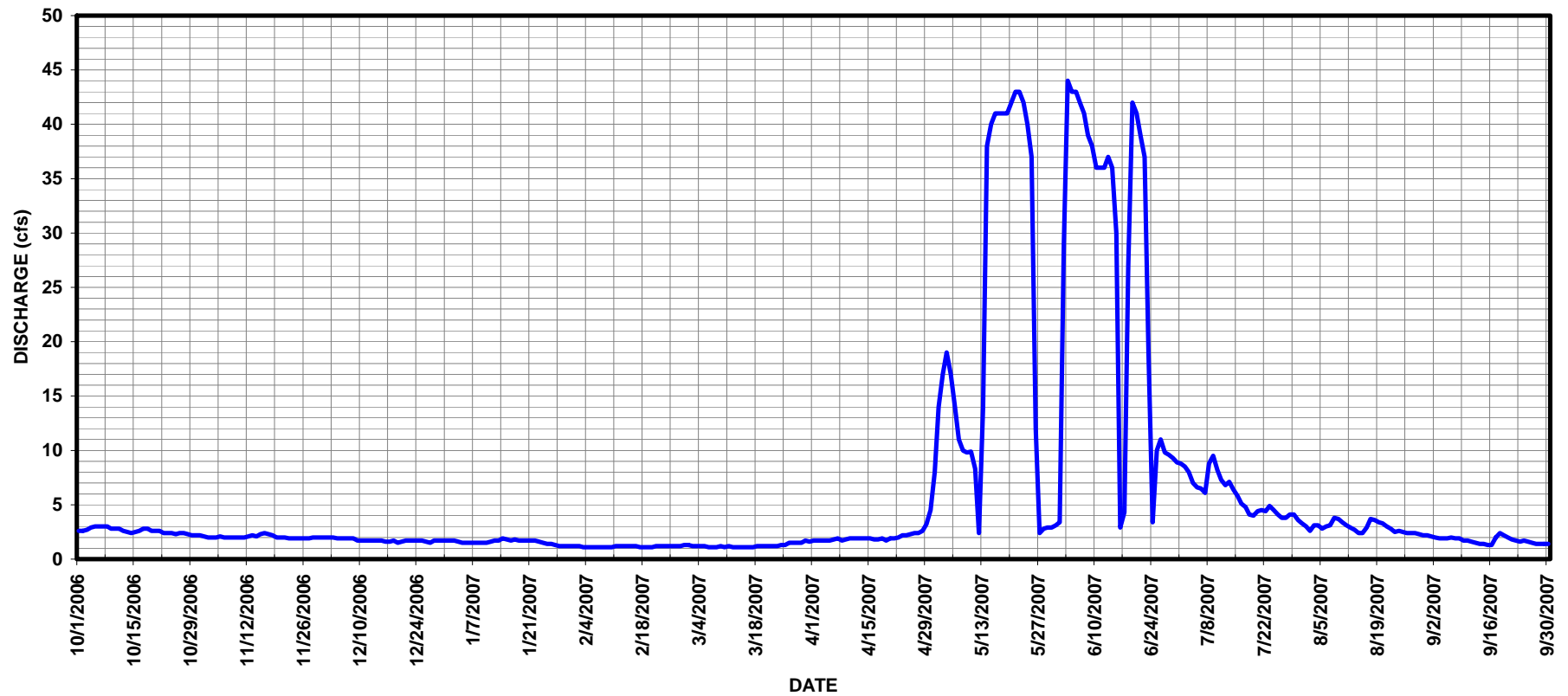
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.1	2.0	1.7	1.2	1.3	1.7	8.0	3.4	8.8	3.0	2.1
2	2.6	2.0	2.0	1.7	1.2	1.2	1.7	14	29	8.5	2.6	2.0
3	2.7	2.0	2.0	1.6	1.1	1.2	1.7	17	44	8.0	3.1	1.9
4	2.9	2.0	1.9	1.5	1.1	1.2	1.7	19	43	7.0	3.1	1.9
5	3.0	2.1	1.9	1.5	1.1	1.2	1.7	17	43	6.6	2.8	1.9
6	3.0	2.0	1.9	1.5	1.1	1.1	1.8	14	42	6.5	3.0	2.0
7	3.0	2.0	1.9	1.5	1.1	1.1	1.9	11	41	6.1	3.1	1.9
8	3.0	2.0	1.9	1.5	1.1	1.1	1.7	10	39	8.8	3.8	1.9
9	2.8	2.0	1.7	1.5	1.1	1.2	1.8	9.8	38	9.5	3.7	1.7
10	2.8	2.0	1.7	1.5	1.1	1.1	1.9	9.9	36	8.2	3.4	1.7
11	2.8	2.0	1.7	1.6	1.2	1.2	1.9	8.3	36	7.3	3.1	1.6
12	2.6	2.1	1.7	1.7	1.2	1.1	1.9	2.4	36	6.8	2.9	1.5
13	2.5	2.2	1.7	1.7	1.2	1.1	1.9	14	37	7.1	2.7	1.4
14	2.4	2.1	1.7	1.9	1.2	1.1	1.9	38	36	6.4	2.4	1.4
15	2.5	2.3	1.7	1.8	1.2	1.1	1.9	40	30	5.8	2.4	1.3
16	2.6	2.4	1.6	1.7	1.2	1.1	1.8	41	2.9	5.1	2.9	1.3
17	2.8	2.3	1.6	1.8	1.1	1.1	1.8	41	4.3	4.8	3.7	2.0
18	2.8	2.2	1.7	1.7	1.1	1.2	1.9	41	27	4.1	3.6	2.4
19	2.6	2.0	1.5	1.7	1.1	1.2	1.7	41	42	4.0	3.4	2.2
20	2.6	2.0	1.6	1.7	1.1	1.2	1.9	42	41	4.4	3.3	2.0
21	2.6	2.0	1.7	1.7	1.2	1.2	1.9	43	39	4.5	3.0	1.8
22	2.4	1.9	1.7	1.7	1.2	1.2	2.0	43	37	4.4	2.8	1.7
23	2.4	1.9	1.7	1.6	1.2	1.2	2.2	42	19	4.9	2.5	1.6
24	2.4	1.9	1.7	1.5	1.2	1.3	2.2	40	3.4	4.5	2.6	1.7
25	2.3	1.9	1.7	1.4	1.2	1.3	2.3	37	10	4.1	2.5	1.6
26	2.4	1.9	1.6	1.4	1.2	1.5	2.4	12	11	3.8	2.4	1.5
27	2.4	1.9	1.5	1.3	1.2	1.5	2.4	2.4	9.8	3.8	2.4	1.4
28	2.3	2.0	1.7	1.2	1.3	1.5	2.6	2.8	9.6	4.1	2.4	1.4
29	2.2	2.0	1.7	1.2	---	1.5	3.2	2.9	9.3	4.1	2.3	1.4
30	2.2	2.0	1.7	1.2	---	1.7	4.5	2.9	8.9	3.6	2.2	1.4
31	2.2	---	1.7	1.2	---	1.6	---	3.1	---	3.3	2.2	---
TOTAL	80.4	61.2	53.8	48.2	32.5	38.6	61.9	669.5	807.6	178.9	89.3	51.6
MEAN	2.59	2.04	1.74	1.55	1.16	1.25	2.06	21.6	26.9	5.77	2.88	1.72
AC-FT	159	121	107	96	64	77	123	1330	1600	355	177	102
MAX	3.0	2.4	2.0	1.9	1.3	1.7	4.5	43	44	9.5	3.8	2.4
MIN	2.2	1.9	1.5	1.2	1.1	1.1	1.7	2.4	2.9	3.3	2.2	1.3

CAL YR	2006	TOTAL	2438.1	MEAN	6.68	MAX	44	MIN	.91	AC-FT	4800
WTR YR	2007	TOTAL	2173.5	MEAN	5.95	MAX	44	MIN	1.1	AC-FT	4310

MAX DISCH: 44.7 CFS AT 14:30 ON Jun. 2, 2007 GH 1.17 FT. SHIFT 0.06 FT.
MAX GH: 1.17 FT. AT 14:30 ON Jun. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder, with Sutron high data rate 8210 DCP and shaft encoder in a 5' x 5' concrete shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to an electric tape gage in the shelter and well. Outside staff gage in flume is used for supplemental readings. Control is a 12-foot concrete Parshall Flume.

REMARKS.--Record is complete, but not reliable due to problems with the operation of a stilling well drain valve (see following explanation); and the period of Dec. 28, 2006 - Jan. 10, 2007, when gage heights were affected by ice. Record is considered poor for the entire water year due to problems with the gage operation by the Twin Lakes Reservoir & Canal Company, and for the period from 28 Dec 2006 - 10 Jan 2007, due to ice affected gage heights.

Through the entire WY07, outside staff gage readings did not agree with inside electric tape on ALL visits where both were read. The discrepancy covered a range in stage from 0.35' to 4.95' (E.T.). In the past there has been disagreement between the inside and outside reference gages at higher stages (>2.5 ft) due to drawdown in the well and/or pile up on the staff gage. However, the problem in WY07 appears to be more widespread as it covered a full range in stage.

On October 22, 2007 (WY08), State Hydrographers went to the TWITUNCO gage to run levels and investigate the problem. It was confirmed that gage movement was not the source of the problem. After talking to the Twin Lakes Tunnel caretaker it was found that there is a drain in the stilling well that is used by the caretaker to move water through the stilling well to keep it from freezing. The adjustment of the drain valve clearly affects the inside gage height, especially at lower stages. It appears that the valve was used more in WY07 than in previous water years because the Twin Lakes Reservoir & Canal Company quit using a propane heater that they previously used to keep the well from freezing. The use of the valve makes all inside gage readings suspect because gage height is a function of valve adjustment. There is no record of the valve adjustment at any point in time during the water year.

At lower stages the outside gage height may have been more accurate than the inside gage. However, a datum correction cannot accurately be applied to correct the inside gage height because the correction would be a function of stage and valve adjustment, neither or which is known. The best course of action seems to be to work the record based on the inside gage height (gage of record) and rate the WY07 record 'poor'. For the WY07 record, lower inside gage heights will generally under-report the amount of water diverted through Twin Lakes Tunnel.

For the remainder of WY08, the caretaker has been instructed to operate the gage in such a manner that the outside and inside gages agree at lower stages. And, to completely avoid use of the drain valve during periods when stilling well freezing is not expected to be a problem (i.e., May 15 -Oct 31).

Additional high flow measurements are needed to better define shifts to the rating at medium and higher stages. Shifts to the rating occur due to excessive approach velocities and turbulence/ waves in the flume due to the approach section entering the flume at an angle. These problems are exacerbated in the gage height range of 2.5 ft to 4.5 ft. The high approach velocities and the extreme turbulence in the flume at highest stages (4.5 to 5.1 ft) appear to compensate for each other and result in the flume performing relatively close to the standard rating at the higher gage heights. Measurements and stage recording at the flume would benefit considerably from flow straightening and energy dissipation baffles installed upstream of the flume entrance.

Station maintained by L.R. Schultz and record developed by L.R. Schultz and M.A. Perry.

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

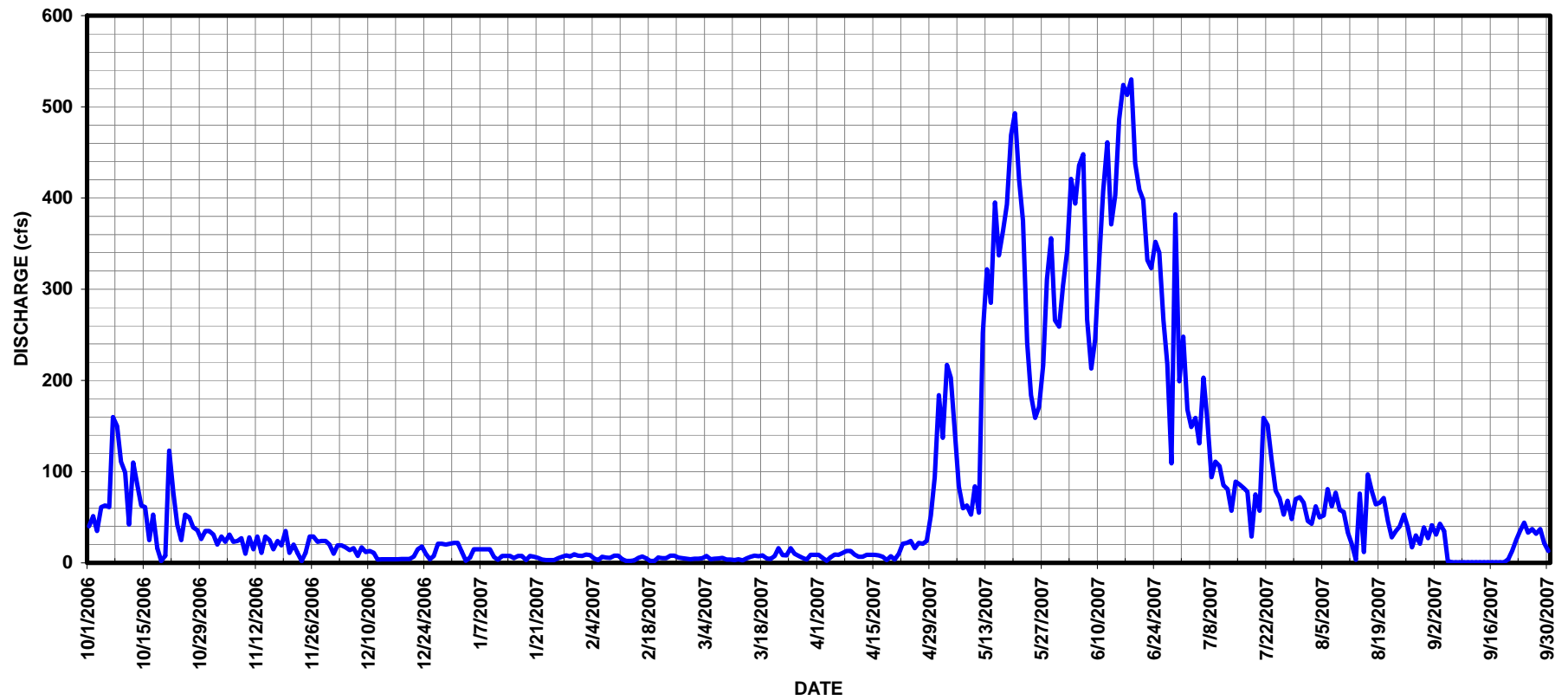
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	31	10	22	7.6	4.6	8.7	184	304	248	46	41
2	51	20	19	12	9.1	4.6	5.5	137	342	168	43	31
3	35	29	19	2.3	8.5	5.3	2.4	217	421	149	62	43
4	61	23	17	5.9	4.8	7.6	6.1	203	394	159	50	35
5	63	31	14	15	3.1	3.9	9.1	142	436	131	52	1.9
6	61	23	16	15	6.6	4.7	8.7	84	448	203	81	.52
7	160	24	7.6	15	5.7	5.0	11	60	267	156	62	.52
8	150	27	17	15	5.5	5.6	13	63	213	94	77	.52
9	111	9.9	12	15	7.9	3.7	13	53	245	111	58	.52
10	99	28	13	6.4	7.8	3.6	9.0	84	334	106	56	.52
11	42	15	11	3.4	4.0	3.0	6.8	55	408	85	33	.52
12	110	29	3.7	7.7	2.0	3.8	6.7	252	461	81	21	.52
13	87	11	3.8	7.6	2.0	2.6	8.7	322	371	57	3.3	.52
14	63	29	3.8	7.6	2.8	4.8	8.7	285	403	89	76	.52
15	61	25	3.9	5.3	5.4	6.8	8.7	395	486	86	12	.52
16	25	15	4.0	7.5	7.1	7.9	8.1	337	524	82	97	.52
17	53	24	4.0	7.5	4.8	7.4	6.7	364	513	78	78	.53
18	16	19	4.2	3.0	2.0	8.1	3.0	393	530	29	64	.52
19	2.1	35	4.2	7.7	2.0	5.0	7.3	469	438	75	66	.52
20	7.9	11	4.2	6.7	5.8	4.3	3.5	493	409	57	71	4.1
21	123	20	7.1	5.4	5.1	7.5	10	420	398	159	46	13
22	77	11	15	3.7	5.1	16	21	375	332	151	28	25
23	42	2.0	18	3.0	7.9	8.5	22	242	323	114	35	35
24	25	11	10	3.0	7.9	8.2	24	184	352	79	40	44
25	53	29	4.0	3.0	5.8	16	16	159	340	71	53	33
26	50	29	7.5	5.2	5.3	10	22	171	266	53	39	37
27	39	23	21	6.8	4.5	7.6	21	217	218	68	17	32
28	36	24	21	8.2	4.0	5.4	24	311	109	48	30	37
29	26	24	20	6.9	---	3.6	52	356	382	70	21	22
30	35	20	21	9.5	---	8.7	94	266	199	72	39	13
31	35	---	22	7.9	---	8.7	---	259	---	66	27	---
TOTAL	1839.0	651.9	358.0	250.2	150.1	202.5	460.7	7552	10866	3195	1483.3	454.29
MEAN	59.3	21.7	11.5	8.07	5.36	6.53	15.4	244	362	103	47.8	15.1
AC-FT	3650	1290	710	496	298	402	914	14980	21550	6340	2940	901
MAX	160	35	22	22	9.1	16	94	493	530	248	97	44
MIN	2.1	2.0	3.7	2.3	2.0	2.6	2.4	53	109	29	3.3	.52

CAL YR	2006	TOTAL	28490.42	MEAN	78.1	MAX	593	MIN	.63	AC-FT	56510
WTR YR	2007	TOTAL	27462.99	MEAN	75.2	MAX	530	MIN	.52	AC-FT	54470

MAX DISCH: 604 CFS AT 11:00 ON Jun. 29, 2007 GH 4.95 FT. SHIFT 0 FT.
MAX GH: 4.95 FT. AT 11:00 ON Jun. 29, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES CO
WY2007 HYDROGRAPH



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TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Satellite-monitored data collection platform (high data rate Sutron SatLink Logger DCP) and SDR shaft encoder in a 30"x 24" metal shelter and well. Primary record is satellite-monitored data with the SDR record used for backup purposes. Primary reference gage is the outside staff gage in the flume. Control is a 2-foot steel Parshall Flume.

REMARKS.--The record is complete and fairly reliable, except for Oct. 4, 7-19, 2006, May 16-20, 22-24, 30, 31, June 7, 2007, when the channel and/ or flume was affected by ice. Record fair, except for periods of ice-affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD02FTPF USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

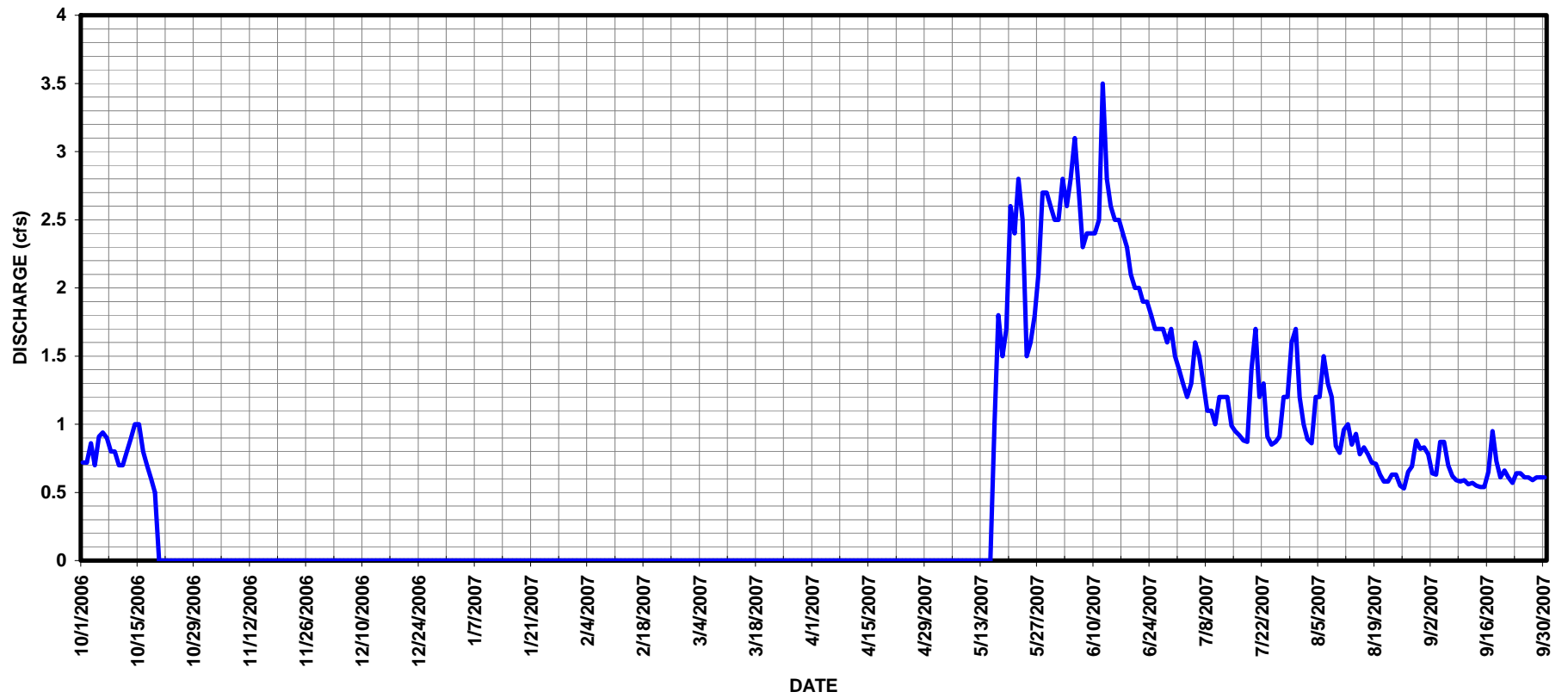
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	0	0	0	0	0	0	0	2.5	1.4	1.0	.78
2	.72	0	0	0	0	0	0	0	2.8	1.3	.89	.64
3	.86	0	0	0	0	0	0	0	2.6	1.2	.86	.63
4	.70	0	0	0	0	0	0	0	2.8	1.3	1.2	.87
5	.91	0	0	0	0	0	0	0	3.1	1.6	1.2	.87
6	.94	0	0	0	0	0	0	0	2.7	1.5	1.5	.70
7	.90	0	0	0	0	0	0	0	2.3	1.3	1.3	.62
8	.80	0	0	0	0	0	0	0	2.4	1.1	1.2	.59
9	.80	0	0	0	0	0	0	0	2.4	1.1	.84	.58
10	.70	0	0	0	0	0	0	0	2.4	1.0	.79	.59
11	.70	0	0	0	0	0	0	0	2.5	1.2	.96	.56
12	.80	0	0	0	0	0	0	0	3.5	1.2	1.0	.57
13	.90	0	0	0	0	0	0	0	2.8	1.2	.85	.55
14	1.0	0	0	0	0	0	0	0	2.6	.99	.93	.54
15	1.0	0	0	0	0	0	0	0	2.5	.95	.78	.54
16	.80	0	0	0	0	0	0	1.0	2.5	.92	.83	.65
17	.70	0	0	0	0	0	0	1.8	2.4	.88	.78	.95
18	.60	0	0	0	0	0	0	1.5	2.3	.87	.72	.73
19	.50	0	0	0	0	0	0	1.7	2.1	1.4	.71	.61
20	0	0	0	0	0	0	0	2.6	2.0	1.7	.63	.66
21	0	0	0	0	0	0	0	2.4	2.0	1.2	.58	.61
22	0	0	0	0	0	0	0	2.8	1.9	1.3	.58	.57
23	0	0	0	0	0	0	0	2.5	1.9	.91	.63	.64
24	0	0	0	0	0	0	0	1.5	1.8	.85	.63	.64
25	0	0	0	0	0	0	0	1.6	1.7	.87	.55	.61
26	0	0	0	0	0	0	0	1.8	1.7	.91	.53	.61
27	0	0	0	0	0	0	0	2.1	1.7	1.2	.65	.59
28	0	0	0	0	0	0	0	2.7	1.6	1.2	.69	.61
29	0	0	0	0	---	0	0	2.7	1.7	1.6	.88	.61
30	0	0	0	0	---	0	0	2.6	1.5	1.7	.82	.61
31	0	---	0	0	---	0	---	2.5	---	1.2	.83	---
TOTAL	15.05	0	0	0	0	0	0	33.8	68.7	37.05	26.34	19.33
MEAN	.49	0	0	0	0	0	0	1.09	2.29	1.20	.85	.64
AC-FT	30	0	0	0	0	0	0	67	136	73	52	38
MAX	1.0	0	0	0	0	0	0	2.8	3.5	1.7	1.5	.95
MIN	0	0	0	0	0	0	0	0	1.5	.85	.53	.54

CAL YR	2006	TOTAL	126.65	MEAN	.35	MAX	2.3	MIN	0	AC-FT	251
WTR YR	2007	TOTAL	200.27	MEAN	.55	MAX	3.5	MIN	0	AC-FT	397

MAX DISCH: 4.81 CFS AT 13:15 ON Jun. 12, 2007 GH 0.72 FT. SHIFT 0 FT.
MAX GH: 0.72 FT. AT 13:15 ON Jun. 12, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09115000 LARKSPUR DITCH NEAR MARSHALL PASS CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08213500 RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE, CO

LOCATION.--Lat 37°43'29", long 107°15'18", in NE¼ sec. 13, T.40 N., R.4 W., Hinsdale County, Hydrologic Unit 13010001, on right bank 70 ft downstream from bridge, 500 ft upstream from Squaw Creek, 0.8 mi downstream from Rio Grande Reservoir, and 20 mi southwest of Creede.

DRAINAGE AREA AND PERIOD OF RECORD.--163 mi². June 1909 to Sep. 1923, May 1925 to current year. No winter records 1910, 1926. Monthly data only for some periods.

GAGE.--Graphic water-stage recorder and shaft encoder with satellite telemetry in a timber shelter and metal well. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for Nov. 7, 2006 to April 2, 2007, when the station was closed for the winter; Oct.31, Nov. 1 - 6, 2006, April 3 - 6, 2007, when the station was isolated; and April 13-16, 2007, when the well was frozen. Record good, except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOMILCO12 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

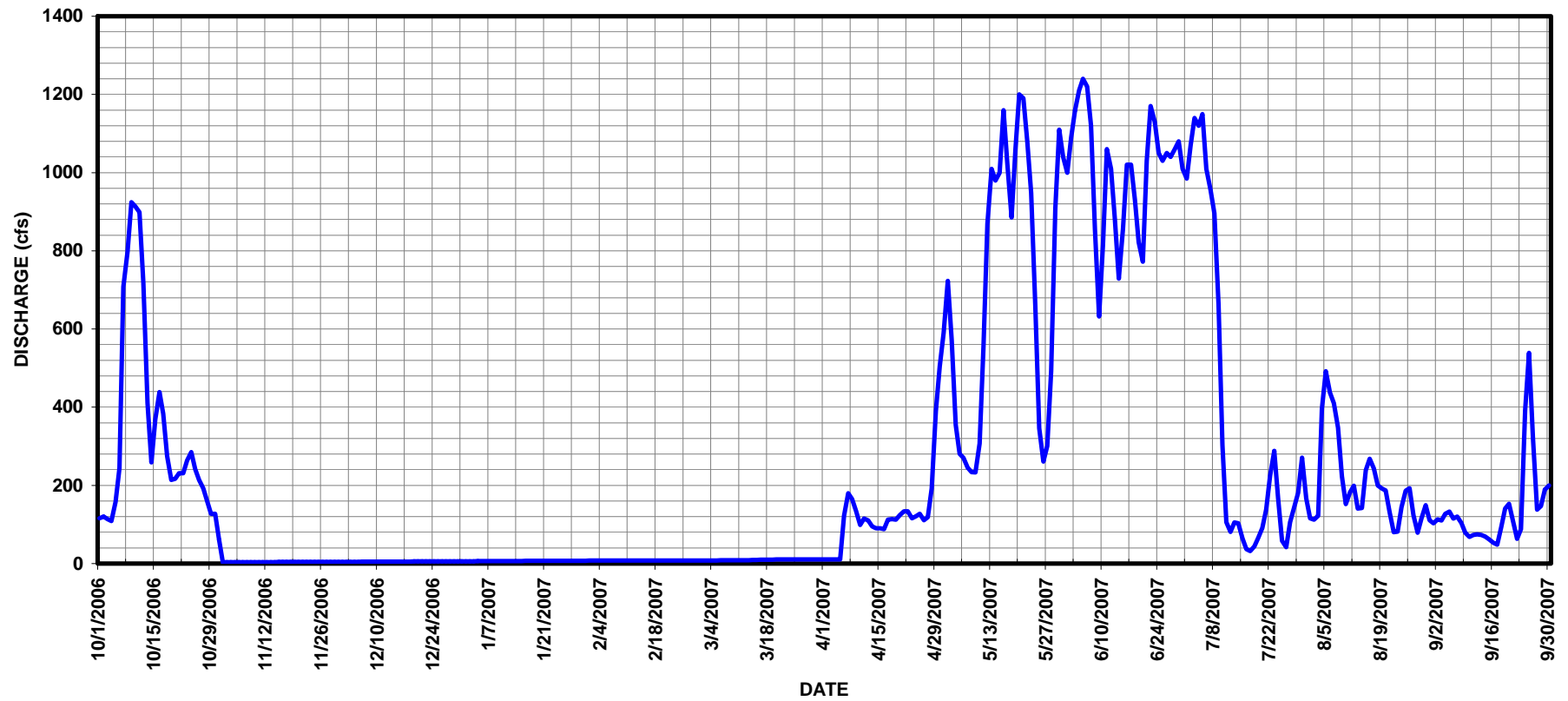
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	3.6	4.6	6.0	7.6	8.0	11	590	1000	985	116	103
2	120	3.6	4.6	6.0	7.6	8.0	11	723	1090	1070	112	113
3	114	3.6	4.6	6.0	7.6	8.0	11	572	1160	1140	122	110
4	109	3.6	4.6	6.2	7.6	8.0	11	355	1210	1120	396	127
5	158	3.6	4.6	6.2	7.8	8.0	11	281	1240	1150	492	133
6	244	3.6	4.8	6.2	7.8	8.2	122	270	1220	1010	437	115
7	708	3.6	4.8	6.2	7.8	8.2	180	245	1120	956	410	120
8	797	3.6	4.8	6.4	7.8	8.2	165	234	856	896	348	104
9	924	3.6	4.8	6.4	7.8	8.2	135	233	632	662	223	79
10	914	3.6	4.8	6.4	7.8	8.2	99	307	816	303	152	68
11	899	3.8	5.0	6.4	7.8	8.4	115	557	1060	106	182	73
12	718	3.8	5.0	6.6	7.8	8.6	110	869	1010	81	199	75
13	410	3.8	5.0	6.6	7.8	8.8	95	1010	879	105	141	73
14	259	3.8	5.0	6.6	7.8	9.0	90	980	729	103	142	69
15	369	4.0	5.2	6.6	7.8	9.2	90	1000	856	65	239	62
16	439	4.0	5.2	6.8	7.8	9.6	88	1160	1020	37	268	53
17	383	4.0	5.2	6.8	7.8	9.8	112	1020	1020	32	243	48
18	275	4.0	5.2	6.8	7.8	10	114	885	930	44	200	92
19	214	4.0	5.4	6.8	7.8	10	112	1060	822	66	192	141
20	217	4.0	5.4	7.0	7.8	11	124	1200	772	91	187	153
21	231	4.2	5.4	7.0	8.0	11	134	1190	1030	139	132	107
22	231	4.2	5.4	7.0	8.0	11	134	1080	1170	225	80	63
23	264	4.2	5.6	7.0	8.0	11	116	948	1130	288	82	88
24	285	4.2	5.6	7.2	8.0	11	121	658	1050	166	144	392
25	242	4.2	5.6	7.2	8.0	11	127	346	1030	58	186	539
26	214	4.4	5.6	7.2	8.0	11	111	261	1050	42	193	323
27	193	4.4	5.8	7.2	8.0	11	119	301	1040	106	124	138
28	160	4.4	5.8	7.4	8.0	11	192	493	1060	142	79	147
29	127	4.4	5.8	7.4	---	11	390	909	1080	181	116	189
30	127	4.4	5.8	7.4	---	11	505	1110	1010	271	149	200
31	61	---	6.0	7.4	---	11	---	1040	---	167	111	---
TOTAL	10522	118.2	161.0	208.4	219.2	296.4	3755	21887	30092	11807	6197	4097
MEAN	339	3.94	5.19	6.72	7.83	9.56	125	706	1003	381	200	137
AC-FT	20870	234	319	413	435	588	7450	43410	59690	23420	12290	8130
MAX	924	4.4	6.0	7.4	8.0	11	505	1200	1240	1150	492	539
MIN	61	3.6	4.6	6.0	7.6	8.0	11	233	632	32	79	48

CAL YR	2006	TOTAL	70927	MEAN	194	MAX	1180	MIN	3.6	AC-FT	140700
WTR YR	2007	TOTAL	89360.2	MEAN	245	MAX	1240	MIN	3.6	AC-FT	177200

MAX DISCH: 1260 CFS AT 01:00 ON Jun. 6, 2007 GH 3.61 FT. GH CORR. 0.01 FT. SHIFT 0.09 FT.
MAX GH: 3.62 FT. (GH CORR. 0.01 FT. APPLIED) AT 01:00 ON Jun. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08213500 RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

LOCATION.--Lat 37°53'18", long 107°12'10", in NE¼SW¼ sec. 21, T.42 N., R.3 W., Hinsdale County, Hydrologic Unit 13010001, on left bank 100 ft downstream from bridge, 1,000 ft downstream from Continental Reservoir, and 15 mi west of Creede.

DRAINAGE AREA.--51.7 mi².

GAGE.--Graphic water-stage recorder, shaft encoder, and a Sutron satellite monitoring system in a 4 ft. by 4 ft. timber shelter and concrete well at a concrete ramp flume. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for Nov. 7, 2006 through April 2, 2007, when the station was closed for the winter, and the periods: May 1-3, 20-22, July 3-7, 2007, when gage height was not representative of average flow due to critical flow conditions at the gage. Record is good, except for periods of no gage-height record, and periods when the gage height was not representative of the average flow, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NCLCONCO22 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

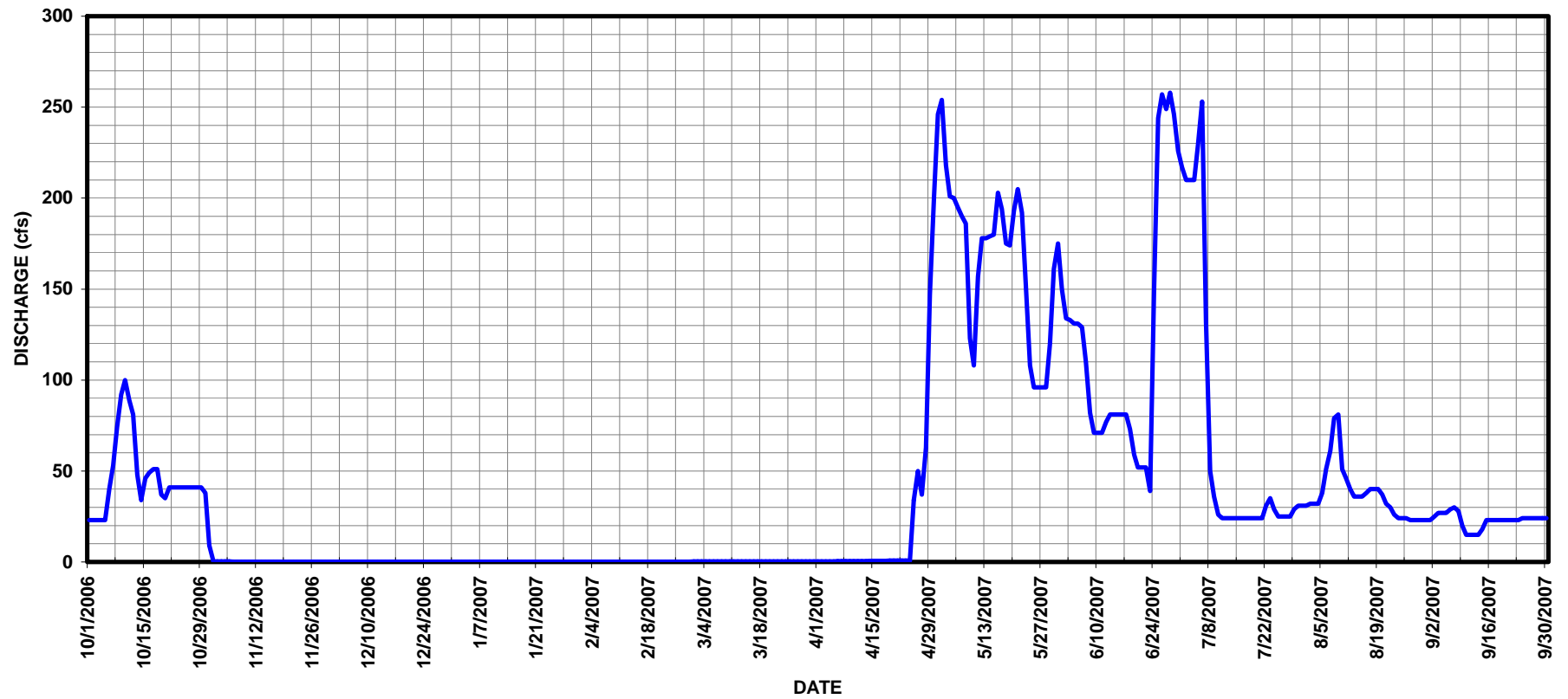
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	.27	.19	.20	.22	.23	.24	246	150	217	31	23
2	23	.25	.19	.20	.22	.23	.24	254	134	210	32	25
3	23	.25	.19	.20	.22	.23	.27	218	133	210	32	27
4	23	.25	.19	.20	.22	.23	.31	201	131	210	32	27
5	23	.23	.19	.20	.22	.23	.35	200	131	229	38	27
6	40	.22	.19	.20	.22	.23	.39	195	129	253	51	29
7	53	.18	.19	.20	.22	.23	.43	190	110	132	61	30
8	74	.18	.19	.20	.22	.23	.46	186	82	50	79	28
9	92	.18	.19	.20	.22	.23	.51	123	71	36	81	20
10	100	.18	.19	.20	.22	.23	.53	108	71	26	51	15
11	89	.18	.19	.20	.22	.23	.53	157	71	24	46	15
12	81	.18	.19	.20	.22	.23	.52	178	77	24	40	15
13	48	.18	.19	.20	.22	.23	.52	178	81	24	36	15
14	34	.18	.19	.20	.22	.23	.57	179	81	24	36	18
15	46	.18	.19	.20	.22	.23	.61	180	81	24	36	23
16	49	.18	.20	.21	.22	.24	.63	203	81	24	38	23
17	51	.18	.20	.21	.22	.24	.63	194	81	24	40	23
18	51	.18	.20	.21	.22	.24	.68	175	73	24	40	23
19	37	.18	.20	.21	.22	.24	.75	174	59	24	40	23
20	35	.18	.20	.21	.22	.24	.75	193	52	24	37	23
21	41	.18	.20	.21	.22	.24	.75	205	52	24	32	23
22	41	.18	.20	.21	.22	.24	.74	192	52	31	30	23
23	41	.18	.20	.21	.22	.24	.75	152	39	35	26	23
24	41	.18	.20	.21	.22	.24	.78	108	148	29	24	24
25	41	.18	.20	.21	.22	.24	34	96	244	25	24	24
26	41	.18	.20	.21	.22	.24	50	96	257	25	24	24
27	41	.18	.20	.21	.22	.24	37	96	249	25	23	24
28	41	.18	.20	.21	.22	.24	63	96	258	25	23	24
29	41	.18	.20	.21	---	.24	147	120	246	29	23	24
30	38	.18	.20	.21	---	.24	201	161	226	31	23	24
31	9.1	---	.20	.21	---	.24	---	175	---	31	23	---
TOTAL	1411.1	5.79	6.05	6.36	6.16	7.29	544.94	5229	3650	2123	1152	689
MEAN	45.5	.19	.20	.21	.22	.24	18.2	169	122	68.5	37.2	23.0
AC-FT	2800	11	12	13	12	14	1080	10370	7240	4210	2280	1370
MAX	100	.27	.20	.21	.22	.24	201	254	258	253	81	30
MIN	9.1	.18	.19	.20	.22	.23	.24	96	39	24	23	15

CAL YR	2006	TOTAL	9488.52	MEAN	26.0	MAX	214	MIN	.18	AC-FT	18820
WTR YR	2007	TOTAL	14830.69	MEAN	40.6	MAX	258	MIN	.18	AC-FT	29420

MAX DISCH: 276 CFS AT 09:45 ON May. 1, 2007 GH 2.8 FT. SHIFT -0.01 FT.
MAX GH: 2.8 FT. AT 09:45 ON May. 1, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08217500 RIO GRANDE RIVER at WAGONWHEEL GAP, CO.

LOCATION.--Lat 37°46'01", long 106°49'51", in NW1/4 NE1/4 sec. 35, T. 41N, R. 1E., Mineral County, Hydrologic unit 13010001, on left bank 40 ft. downstream from private bridge, 0.3 mi. upstream from Goose Creek, and 0.3 mi. west of town of Wagonwheel Gap.

DRAINAGE AREA.--780 mi².

GAGE.--Graphic water-stage recorder, shaft encoder, and Sutron satellite monitoring system in 4 ft. by 4 ft. timber shelter and 4 ft. diameter concrete well. Altitude of gage 8,430 ft. from topographic map. A cableway is located approximately 350 ft. upstream of the gage.

REMARKS.--Record is complete and reliable, except for Nov. 27, 2006 through Mar. 21, 2007, when the station was closed for the winter. Record is good, except for periods of no gage height record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOWAGCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

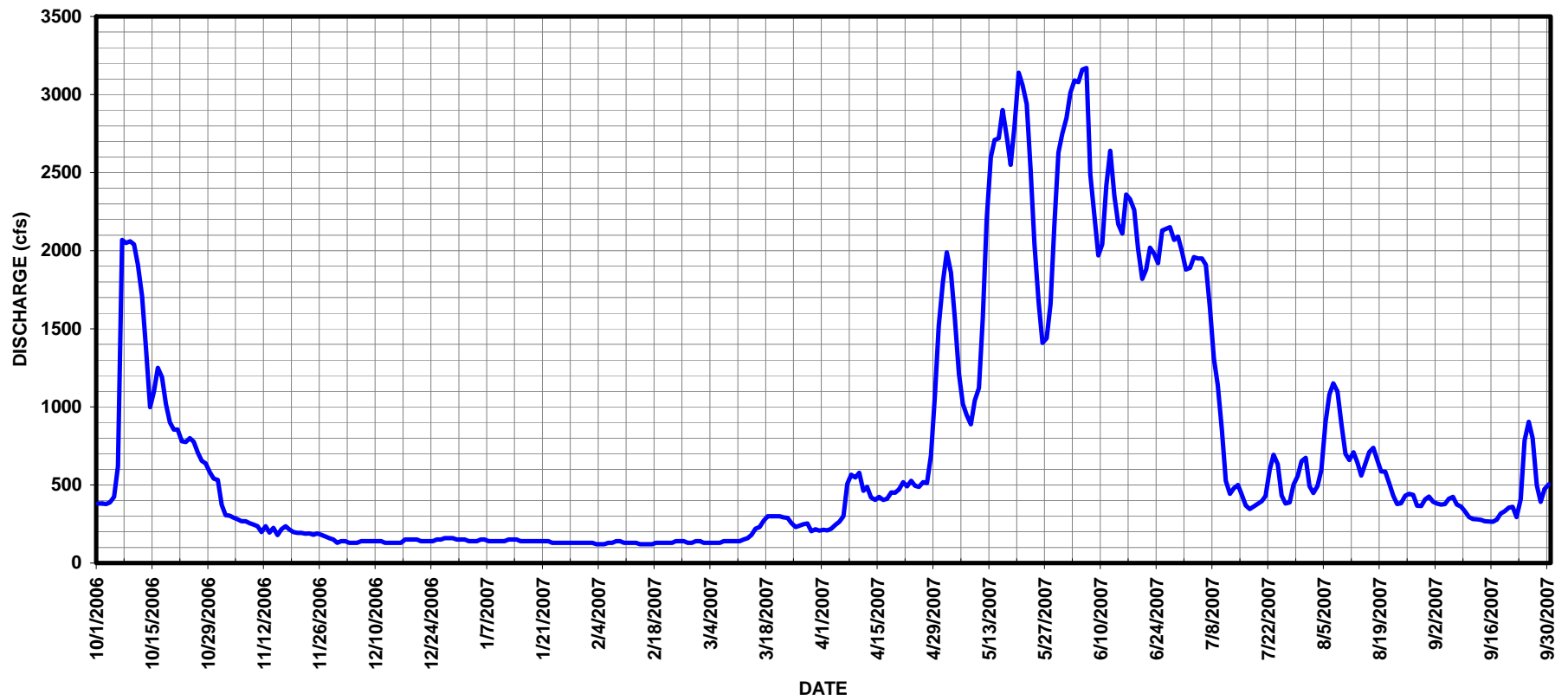
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	373	140	150	130	140	212	1800	2850	1880	493	392
2	381	306	140	140	130	130	210	1990	3010	1890	449	381
3	378	303	130	140	120	130	219	1860	3090	1960	493	374
4	388	290	130	140	120	130	244	1570	3080	1950	597	377
5	423	281	130	150	120	130	264	1210	3160	1950	902	412
6	618	267	140	150	130	130	299	1020	3170	1910	1080	424
7	2070	267	140	140	130	140	507	946	2490	1630	1150	374
8	2050	256	140	140	140	140	566	888	2220	1310	1100	362
9	2060	246	140	140	140	140	547	1040	1970	1140	896	331
10	2040	236	140	140	130	140	578	1120	2040	851	698	294
11	1910	199	140	140	130	140	462	1570	2420	527	660	282
12	1710	236	130	150	130	150	487	2200	2640	443	709	281
13	1380	195	130	150	130	160	420	2600	2350	479	643	276
14	998	225	130	150	120	180	404	2710	2170	500	560	268
15	1100	179	130	140	120	220	424	2720	2110	436	639	266
16	1250	216	130	140	120	230	404	2900	2360	369	711	265
17	1190	235	150	140	120	270	411	2730	2330	346	737	279
18	1020	215	150	140	130	300	452	2550	2260	362	662	317
19	901	199	150	140	130	300	450	2800	2010	380	587	331
20	854	194	150	140	130	300	471	3140	1820	395	585	354
21	855	193	140	140	130	300	517	3060	1880	429	512	360
22	780	188	140	140	130	292	491	2940	2020	597	430	294
23	775	189	140	130	140	289	527	2520	1980	693	377	410
24	800	180	140	130	140	256	494	2040	1920	633	383	785
25	777	190	150	130	140	231	488	1670	2130	433	431	905
26	706	181	150	130	130	239	518	1410	2140	382	444	800
27	655	170	160	130	130	248	513	1440	2150	389	437	498
28	639	160	160	130	140	254	689	1660	2070	501	367	391
29	581	150	160	130	---	204	1070	2170	2090	557	365	473
30	541	130	150	130	---	216	1520	2630	1990	652	408	504
31	532	---	150	130	---	207	---	2750	---	674	425	---
TOTAL	30743	6649	4400	4310	3630	6336	14858	63654	69920	26648	18930	12060
MEAN	992	222	142	139	130	204	495	2053	2331	860	611	402
AC-FT	60980	13190	8730	8550	7200	12570	29470	126300	138700	52860	37550	23920
MAX	2070	373	160	150	140	300	1520	3140	3170	1960	1150	905
MIN	378	130	130	130	120	130	210	888	1820	346	365	265

CAL YR	2006	TOTAL	195211	MEAN	535	MAX	2310	MIN	104	AC-FT	387200
WTR YR	2007	TOTAL	262138	MEAN	718	MAX	3170	MIN	120	AC-FT	520000

MAX DISCH: 3530 CFS AT 04:15 ON Jun. 6, 2007 GH 4.42 FT. SHIFT 0.11 FT.
MAX GH: 4.42 FT. AT 04:15 ON Jun. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08217500 RIO GRANDE RIVER at WAGONWHEEL GAP CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

LOCATION.--Lat 37°45'07", long 106°49'46", in SW¼SE¼ sec. 35, T.41 N., R.1 E., Mineral County, Hydrologic Unit 13010001, on left bank 0.2 mi downstream from Pierce Creek, 1.0 mi upstream from mouth, 1.0 mi south of Wagonwheel Gap, and 8.8 mi southeast of Creede.

DRAINAGE AREA.--90 mi².

GAGE.--Graphic water-stage recorder, shaft encoder and Sutron data collection platform with satellite transmitter in 36-inch corrugated pipe shelter and smooth steel pipe well. Supplemental outside cantilever chain gage (not in use). Elevation of gage is 8,460 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for the following periods: December 13-26, 2006, when floats were affected by ice in well, and December 27, 2006 through March 21, 2007 when station was closed for the winter. Stage-discharge relation was affected by ice October 27, November 11 - December 12, 2006. Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

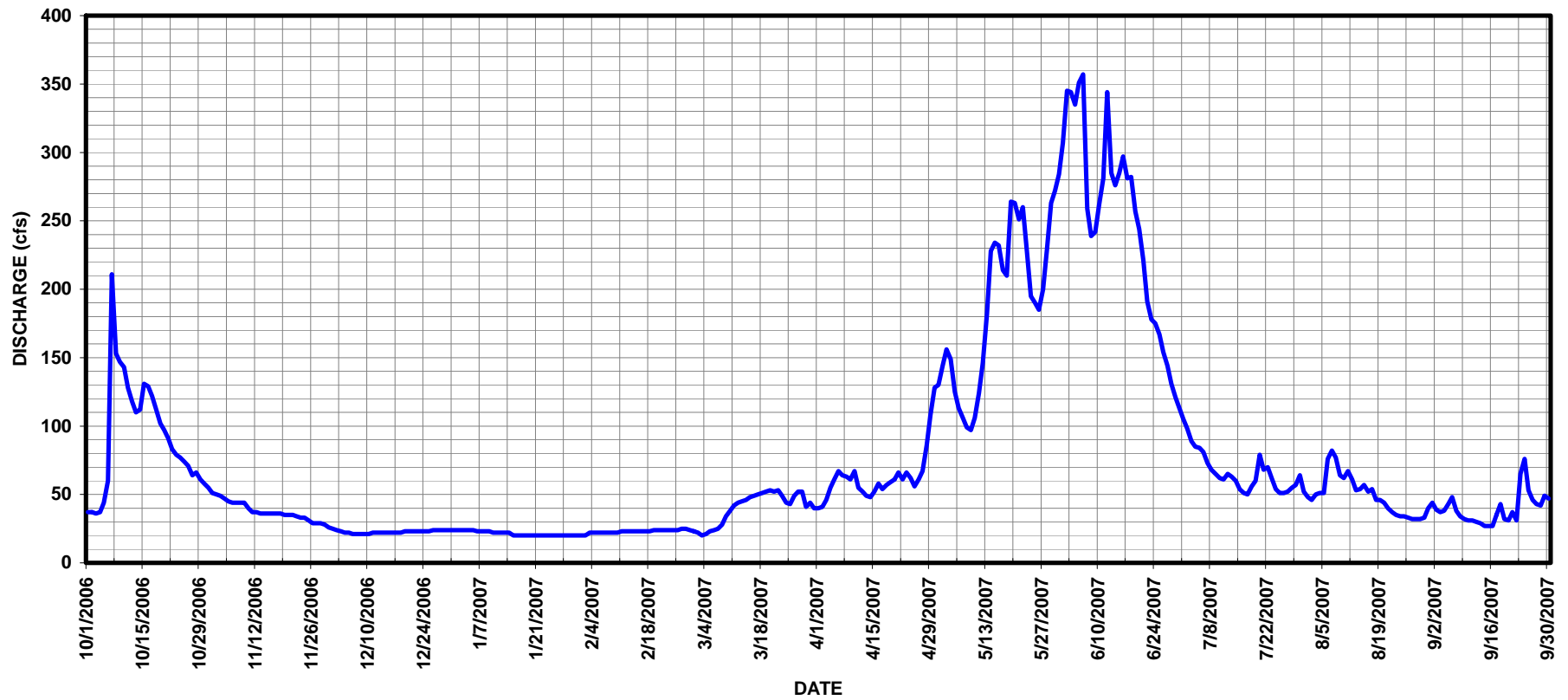
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	51	25	24	20	23	40	130	307	105	48	44
2	37	50	24	24	20	22	41	144	345	98	46	39
3	36	49	23	24	22	20	46	156	344	89	50	37
4	37	47	22	24	22	21	55	149	335	85	51	38
5	44	45	22	24	22	23	61	125	351	84	51	43
6	60	44	21	23	22	24	67	113	357	81	76	48
7	211	44	21	23	22	25	64	106	259	73	82	38
8	153	44	21	23	22	28	63	99	239	68	77	34
9	147	44	21	23	22	34	61	97	242	65	64	32
10	143	40	21	22	22	38	67	106	262	62	62	31
11	128	37	22	22	23	42	55	124	281	61	67	31
12	118	37	22	22	23	44	52	146	344	65	61	30
13	110	36	22	22	23	45	49	182	285	63	53	29
14	112	36	22	22	23	46	48	228	276	60	54	27
15	131	36	22	20	23	48	52	234	285	54	57	27
16	129	36	22	20	23	49	58	232	297	51	52	27
17	122	36	22	20	23	50	54	214	281	50	54	35
18	112	36	22	20	23	51	57	210	282	56	46	43
19	102	35	23	20	24	52	59	264	257	60	46	32
20	97	35	23	20	24	53	61	263	244	79	44	31
21	91	35	23	20	24	52	66	251	221	68	40	37
22	83	34	23	20	24	53	61	260	191	70	37	31
23	79	33	23	20	24	49	66	227	178	62	35	65
24	77	33	23	20	24	44	62	195	175	54	34	76
25	74	31	23	20	24	43	56	190	167	51	34	53
26	71	29	24	20	25	49	61	185	154	51	33	46
27	64	29	24	20	25	52	67	200	144	52	32	43
28	66	29	24	20	24	52	86	229	131	55	32	42
29	61	28	24	20	---	41	108	263	121	57	32	49
30	58	26	24	20	---	44	128	272	113	64	33	47
31	55	---	24	20	---	40	---	284	---	52	40	---
TOTAL	2845	1125	702	662	642	1257	1871	5878	7468	2045	1523	1185
MEAN	91.8	37.5	22.6	21.4	22.9	40.5	62.4	190	249	66.0	49.1	39.5
AC-FT	5640	2230	1390	1310	1270	2490	3710	11660	14810	4060	3020	2350
MAX	211	51	25	24	25	53	128	284	357	105	82	76
MIN	36	26	21	20	20	20	40	97	113	50	32	27

CAL YR	2006	TOTAL	20929	MEAN	57.3	MAX	222	MIN	13	AC-FT	41510
WTR YR	2007	TOTAL	27203	MEAN	74.5	MAX	357	MIN	20	AC-FT	53960

MAX DISCH: 456 CFS AT 22:30 ON Jun. 5, 2007 GH 3.87 FT. SHIFT -0.04 FT.
MAX GH: 3.87 FT. AT 22:30 ON Jun. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08218500 GOOSE CREEK AT WAGONWHEEL GAP CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

LOCATION.--Lat 37°39'25", long 106°38'55", in SW¼NE¼ sec. 3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 0.1 mile downstream from Church Creek, 0.9 mi southwest of village of South Fork, and 1.5 mi upstream from mouth.

DRAINAGE AREA AND PERIOD OF RECORD.--216 mi². Station established May 17, 1909 at different site with minimal records. Non-recording to 1910 when water-stage recorder installed. Moved to current site in May 1936.

GAGE.--Graphic water-stage recorder, shaft encoder, and Sutron satellite monitoring system with an air temperature sensor and a tipping bucket rain gage in a timber shelter and corrugated metal pipe well. Datum of gage is 8,221.79 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except November 27, 2006 through March 21, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 16-26, 2006. Record is good, except for periods of no gage-height record and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOSFKCO10 USED FROM 01-OCT-2006 TO 30-SEP-2007

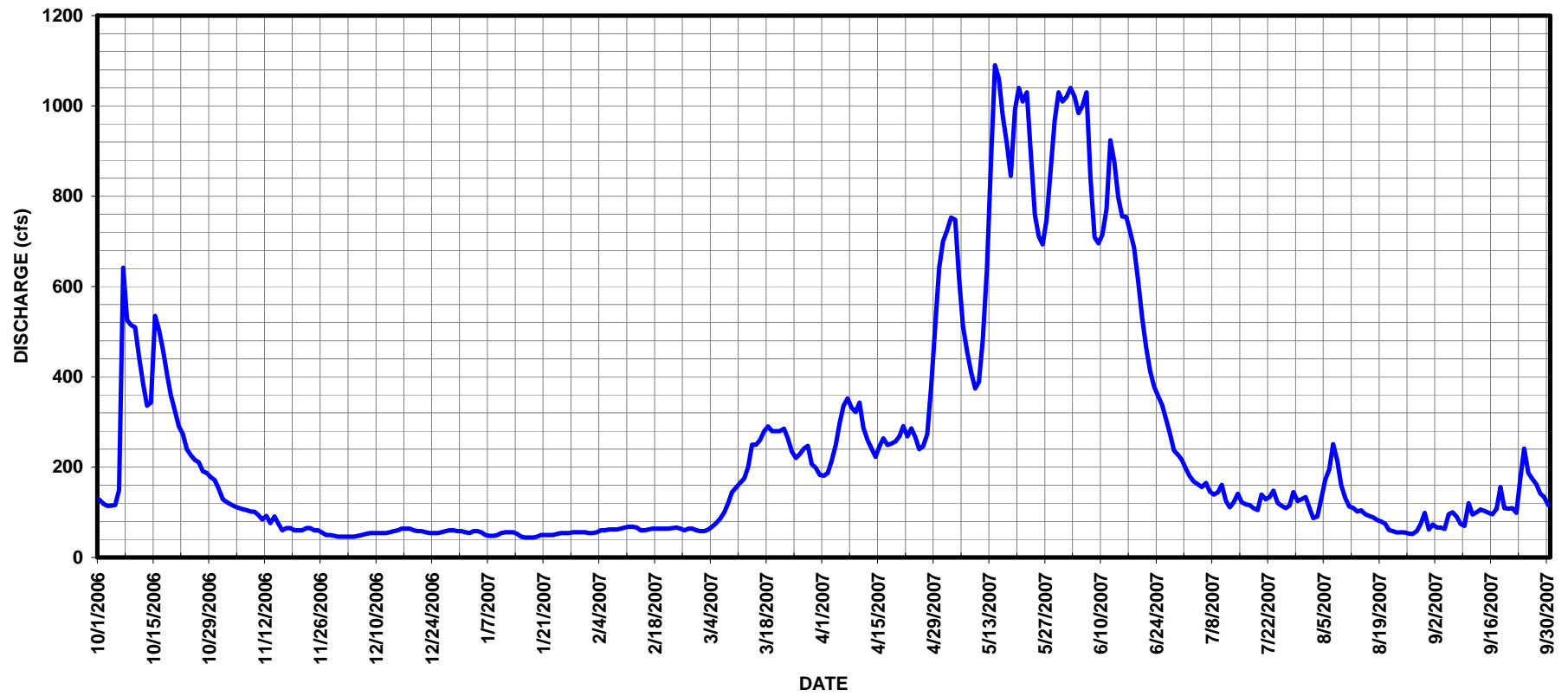
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	129	46	56	54	58	181	700	1020	196	110	73
2	119	123	46	54	54	58	187	725	1040	179	87	66
3	114	118	46	58	56	62	214	753	1020	168	91	66
4	115	113	46	58	60	68	250	748	984	162	130	63
5	116	110	48	56	60	76	298	617	1000	156	173	96
6	149	107	50	50	62	86	336	512	1030	165	195	100
7	642	105	52	48	62	100	352	456	842	146	251	90
8	526	102	54	48	62	120	332	411	709	139	214	74
9	515	101	54	50	64	145	322	374	696	144	160	70
10	510	94	54	54	66	155	343	389	715	161	131	120
11	445	84	54	56	68	165	287	482	771	125	113	95
12	384	92	54	56	68	175	260	640	924	111	110	100
13	336	76	56	56	66	200	242	869	875	122	102	106
14	343	91	58	52	60	250	223	1090	797	141	104	103
15	535	75	60	46	60	250	246	1060	755	122	96	99
16	504	60	64	44	62	260	264	978	754	118	92	96
17	458	65	64	44	64	280	249	916	721	116	89	108
18	406	65	64	44	64	290	252	845	686	109	83	156
19	359	60	60	46	64	280	257	991	611	105	80	109
20	324	60	58	50	64	280	268	1040	532	139	75	108
21	291	60	58	50	64	280	291	1010	463	129	61	109
22	273	65	56	50	65	285	268	1030	413	134	58	99
23	240	65	54	50	66	263	286	897	379	148	55	175
24	227	60	54	52	64	235	266	759	357	121	56	241
25	216	60	54	54	60	220	240	711	338	115	55	187
26	211	55	56	54	64	229	246	693	305	109	53	174
27	191	50	58	54	64	241	273	750	273	115	52	162
28	187	50	60	56	60	247	377	855	237	145	59	142
29	178	48	60	56	---	207	514	968	227	125	75	134
30	171	46	58	56	---	198	642	1030	216	129	99	116
31	152	---	58	56	---	183	---	1010	---	134	62	---
TOTAL	9365	2389	1714	1614	1747	5946	8766	24309	19690	4228	3171	3437
MEAN	302	79.6	55.3	52.1	62.4	192	292	784	656	136	102	115
AC-FT	18580	4740	3400	3200	3470	11790	17390	48220	39060	8390	6290	6820
MAX	642	129	64	58	68	290	642	1090	1040	196	251	241
MIN	114	46	46	44	54	58	181	374	216	105	52	63
CAL YR 2006	TOTAL	65961	MEAN	181	MAX	979	MIN	23	AC-FT	130830		
WTR YR 2007	TOTAL	86376	MEAN	237	MAX	1090	MIN	44	AC-FT	171300		

MAX DISCH: 1190 CFS AT 23:45 ON May. 14, 2007 GH 4.73 FT. SHIFT -0.19 FT.
MAX GH: 4.73 FT. AT 23:45 ON May. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08220000 RIO GRANDE RIVER NEAR DEL NORTE, CO

LOCATION.--Lat 37°41'22", long 106°27'38", in NW¼ sec. 29, T.40 N., R.5 E., Rio Grande County, Hydrologic Unit 13010001, on right bank 20 ft downstream from county highway bridge, 6.0 mi west of Del Norte, and 5 mi upstream from Pinos Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--1,320 mi². Measurements and staff gages with frequent readings begun in June of 1889. Various sites used until present site established in Nov. 1910, with a recorder installed in 1934. All missing periods have been estimated and discharge records are complete from July 1, 1889.

GAGE.--Graphic water-stage recorder, shaft encoder, and a Sutron satellite monitoring system in a 6 ft. by 6 ft. exposed aggregate concrete shelter and 4 ft. diameter concrete well. The satellite monitoring system collects gage height, air temperature, rainfall (tipping bucket), and water temperature data, and also has a modem system to provide gage heights via a dial-in option. Gage datum is 7,980.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for Feb. 3-16, 2007, when floats were affected by ice in well. Chart data were used from Jan. 18 to Feb. 2, 2007, when shaft encoder float was affected by ice. The stage-discharge relation was affected by ice Nov. 28, 2006 through Feb. 2, 2007, and Feb. 17 through Mar. 18, 2007. Record is good, except for periods of no gage-height and ice affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIODELCO03 USED FROM 01-OCT-2006 TO 15-MAR-2007
RIODELCO04 USED FROM 15-MAR-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

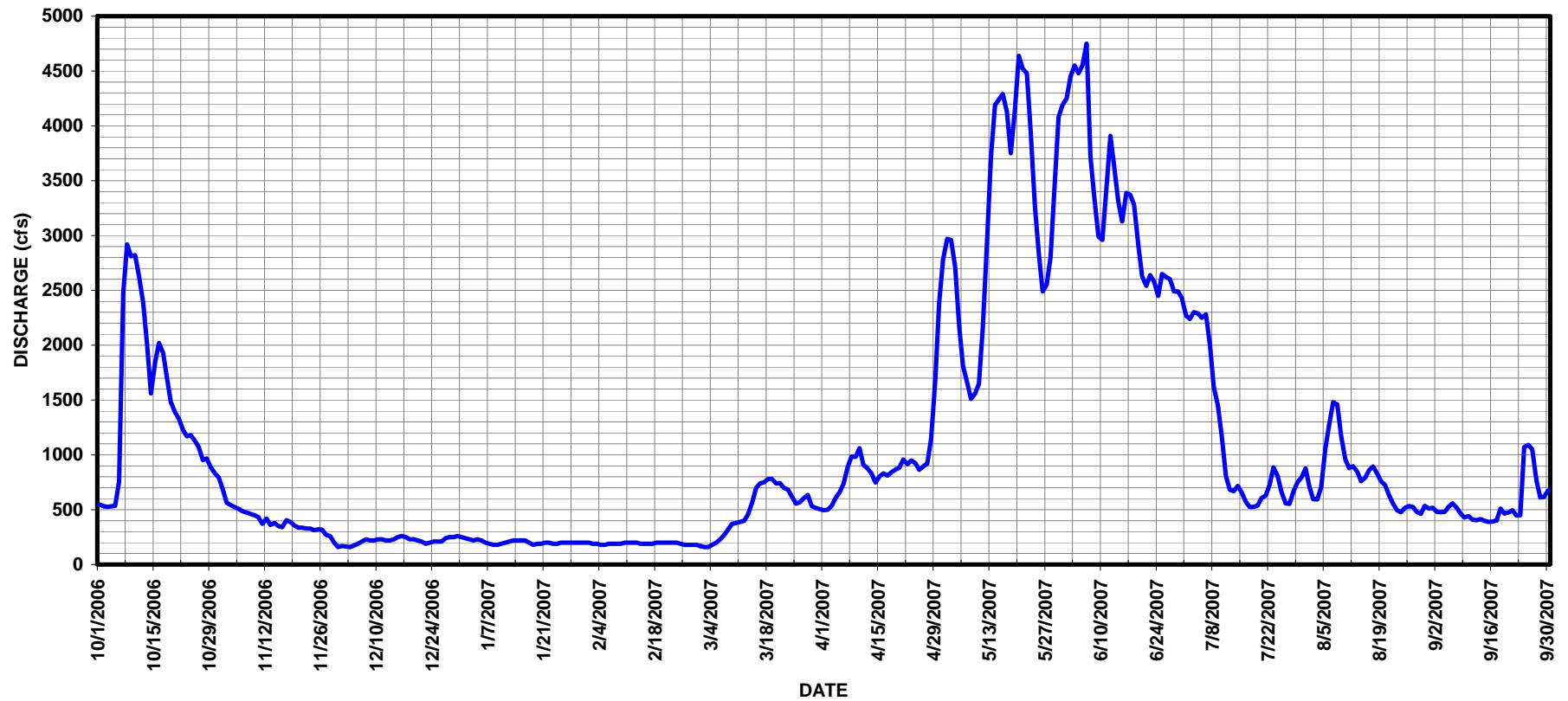
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	547	684	170	240	200	170	495	2780	4250	2270	707	517
2	533	564	165	230	190	160	501	2970	4450	2240	597	480
3	524	542	160	220	190	160	535	2960	4550	2300	594	477
4	531	522	175	230	180	180	611	2710	4480	2290	710	481
5	535	507	190	220	180	200	660	2180	4550	2250	1060	528
6	756	484	210	200	190	230	738	1810	4750	2280	1280	559
7	2470	476	230	190	190	270	886	1660	3720	2010	1480	517
8	2920	461	220	180	190	320	985	1510	3320	1620	1460	464
9	2810	450	220	180	190	370	983	1560	2990	1450	1170	430
10	2820	432	230	190	200	380	1060	1650	2960	1170	958	442
11	2630	372	230	200	200	390	909	2160	3440	806	878	408
12	2390	418	220	210	200	400	876	2930	3910	681	897	403
13	2010	362	220	220	200	460	832	3700	3610	668	845	413
14	1560	378	230	220	190	560	748	4190	3310	718	761	400
15	1840	350	250	220	190	700	802	4240	3130	656	793	390
16	2020	342	260	220	190	740	831	4290	3390	572	861	391
17	1930	404	250	200	190	750	810	4130	3370	525	894	402
18	1700	389	230	180	200	780	840	3750	3280	524	829	510
19	1480	355	230	190	200	781	866	4150	2920	539	761	465
20	1390	336	220	190	200	740	883	4640	2630	606	725	476
21	1330	337	210	200	200	742	958	4520	2540	628	635	496
22	1230	329	190	200	200	698	913	4480	2640	726	558	446
23	1170	328	200	190	200	684	949	3940	2580	886	495	449
24	1180	313	210	190	190	621	925	3270	2450	808	477	1070
25	1130	321	210	200	180	555	864	2840	2650	662	518	1090
26	1070	318	210	200	180	568	895	2490	2620	557	533	1050
27	953	269	240	200	180	606	920	2550	2600	553	524	769
28	966	260	250	200	180	635	1150	2800	2490	663	480	610
29	888	200	250	200	---	532	1680	3470	2490	749	461	619
30	833	160	260	200	---	515	2390	4080	2430	792	536	678
31	795	---	250	200	---	505	---	4190	---	876	510	---
TOTAL	44941	11663	6790	6310	5370	15402	27495	98600	98500	34075	23987	16430
MEAN	1450	389	219	204	192	497	917	3181	3283	1099	774	548
AC-FT	89140	23130	13470	12520	10650	30550	54540	195600	195400	67590	47580	32590
MAX	2920	684	260	240	200	781	2390	4640	4750	2300	1480	1090
MIN	524	160	160	180	180	160	495	1510	2430	524	461	390

CAL YR	2006	TOTAL	287463	MEAN	788	MAX	3440	MIN	140	AC-FT	570200
WTR YR	2007	TOTAL	389563	MEAN	1067	MAX	4750	MIN	160	AC-FT	772700

MAX DISCH: 5180 CFS AT 09:00 ON Jun. 6, 2007 GH 4.40 FT. SHIFT 0.02 FT.
MAX GH: 4.40 FT. AT 09:00 ON Jun. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08220000 RIO GRANDE RIVER NEAR DEL NORTE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

LOCATION.--Lat 37°26'51", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 200 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

DRAINAGE AREA.--53 mi².

GAGE.--Graphic water-stage recorder, shaft encoder, and Sutron satellite monitoring system in a 3 ft. by 3 ft. timber shelter and concrete well at a 12 ft. rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

REMARKS.--Record is complete and reliable, except for November 27, 2006 through March 21, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice November 1, 2, 11, 13, 15, 19-26, 2006 and March 29, 30, 2007. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--PINDELCO14 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	12	6.0	5.0	6.0	7.0	23	88	178	39	17	15
2	10	12	6.0	5.0	6.0	7.0	24	108	171	35	15	15
3	9.9	14	8.0	5.0	7.0	7.0	27	109	161	30	18	15
4	9.8	13	8.0	7.0	7.0	8.0	34	110	160	30	29	14
5	9.6	14	9.0	7.0	7.0	9.0	40	93	166	30	27	18
6	11	14	9.0	7.0	8.0	10	46	84	159	28	22	17
7	32	13	9.0	6.0	8.0	14	48	81	136	27	34	14
8	24	13	9.0	6.0	8.0	17	42	68	124	26	37	13
9	24	13	9.0	6.0	8.0	20	39	65	123	26	23	13
10	23	11	9.0	7.0	9.0	23	39	74	120	25	22	23
11	19	9.0	9.0	7.0	9.0	25	35	95	119	25	22	18
12	17	13	9.0	9.0	9.0	28	33	110	146	25	22	17
13	16	12	9.0	9.0	8.0	30	29	133	129	26	27	14
14	18	14	10	8.0	8.0	32	31	166	118	26	32	13
15	32	12	10	6.0	7.0	32	29	166	113	23	37	13
16	26	14	11	5.0	8.0	33	33	163	109	21	42	12
17	23	14	11	4.0	8.0	33	33	152	100	21	31	17
18	19	14	10	4.0	8.0	33	34	145	93	22	27	21
19	17	12	10	4.0	9.0	32	38	157	83	21	25	14
20	18	12	9.0	5.0	9.0	31	40	161	77	26	23	13
21	18	12	6.0	6.0	9.0	30	44	172	71	21	21	14
22	15	12	4.0	6.0	9.0	29	42	184	67	21	21	12
23	16	12	4.0	6.0	9.0	27	48	165	64	19	19	17
24	16	11	4.0	6.0	8.0	25	44	147	65	17	19	21
25	15	11	5.0	6.0	9.0	24	37	140	62	16	18	14
26	14	11	5.0	6.0	9.0	26	39	139	59	18	18	13
27	15	10	6.0	6.0	9.0	30	42	147	54	20	18	13
28	17	10	6.0	6.0	8.0	32	58	164	50	20	20	13
29	15	6.0	6.0	6.0	---	27	75	183	47	28	18	17
30	14	6.0	6.0	6.0	---	26	87	181	44	29	20	15
31	13	---	5.0	6.0	---	25	---	175	---	20	16	---
TOTAL	536.3	356.0	237.0	188.0	227.0	732.0	1213	4125	3168	761	740	458
MEAN	17.3	11.9	7.65	6.06	8.11	23.6	40.4	133	106	24.5	23.9	15.3
AC-FT	1060	706	470	373	450	1450	2410	8180	6280	1510	1470	908
MAX	32	14	11	9.0	9.0	33	87	184	178	39	42	23
MIN	9.6	6.0	4.0	4.0	6.0	7.0	23	65	44	16	15	12

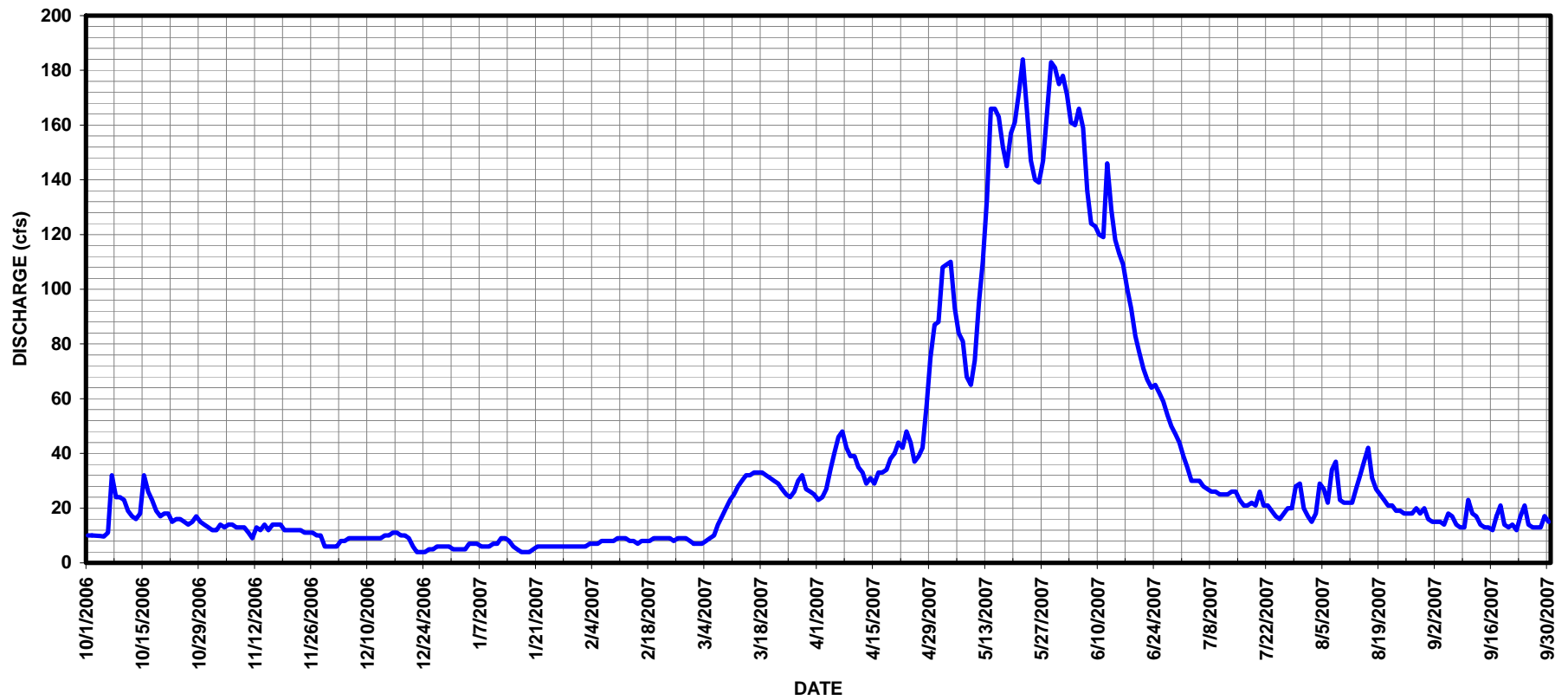
CAL YR	2006	TOTAL	8016.8	MEAN	21.9	MAX	112	MIN	3.7	AC-FT	15900
WTR YR	2007	TOTAL	12741.3	MEAN	34.9	MAX	184	MIN	4	AC-FT	25270

MAX DISCH: 214 CFS AT 22:00 ON May. 21, 2007 GH 2.1 FT. SHIFT 0.09 FT.

MAX GH: 2.1 FT. AT 22:00 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08220500 PINOS CREEK NEAR DEL NORTE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO

LOCATION.--Lat 37°36'34", long 106°08'54", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 40 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

DRAINAGE AREA.--1,590 mi².

GAGE.--Graphic water-stage recorder, shaft encoder, and a Sutron satellite monitoring system in 48-inch corrugated metal shelter and well. A tipping bucket rain gauge is also interfaced to satellite monitoring system. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

REMARKS.--Record is complete and reliable, except for Nov. 30, 2006 through Mar. 8, 2007, when the station was closed for winter. Stage-discharge relation was affected by ice Mar. 9-16, 2007. Record is good, except for periods of no gage-height and ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOMONCO19 USED FROM 01-OCT-2006 TO 30-SEP-2007

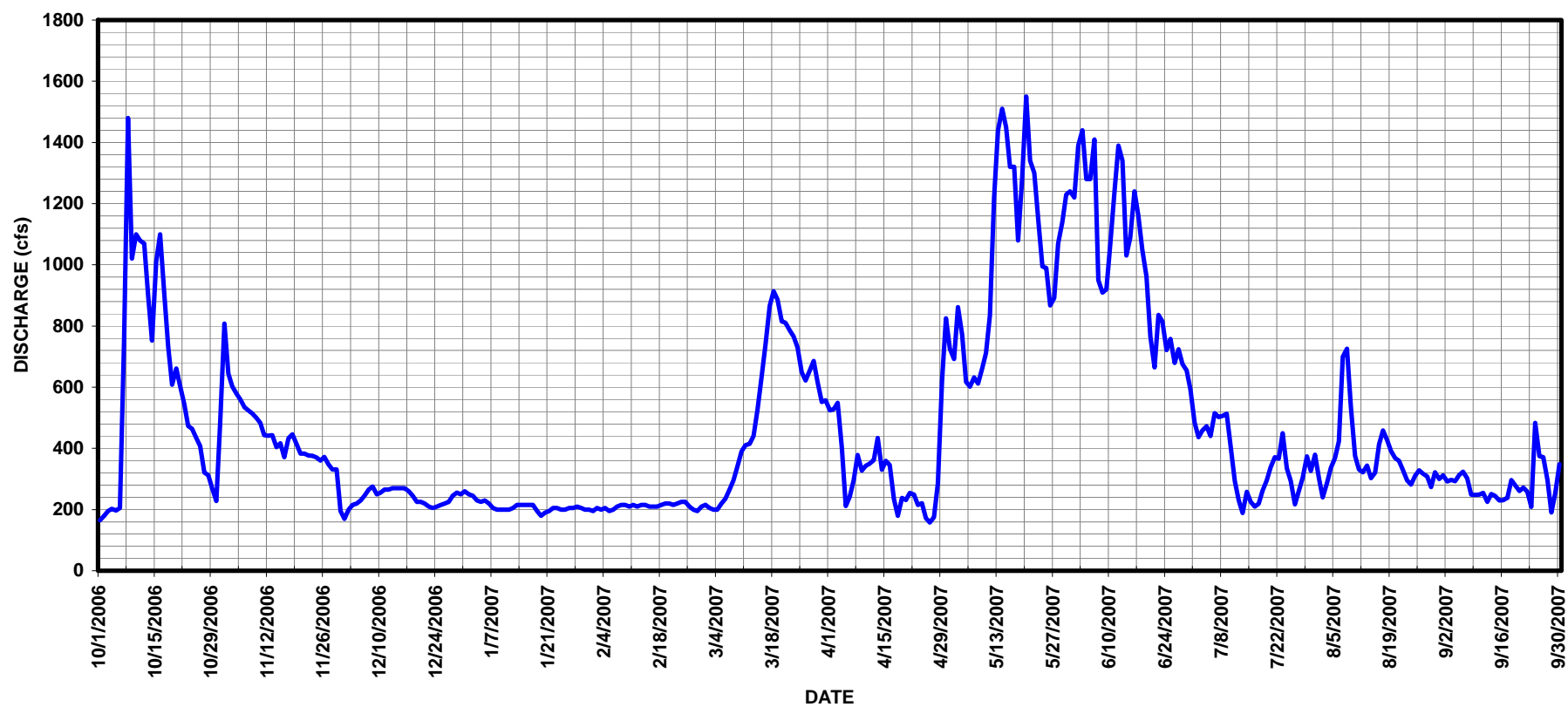
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	808	170	250	195	215	524	726	1220	484	303	312
2	180	645	200	245	205	205	528	692	1390	437	240	292
3	195	603	215	230	200	200	549	862	1440	459	285	297
4	202	579	220	225	205	200	401	771	1280	472	336	293
5	197	560	230	230	195	220	212	617	1280	440	368	313
6	205	534	245	220	200	235	242	602	1410	515	423	324
7	757	524	265	205	210	265	296	632	950	502	699	302
8	1480	514	275	200	215	295	378	612	909	506	726	249
9	1020	500	250	200	215	340	327	662	920	513	535	248
10	1100	483	255	200	210	390	343	712	1070	408	376	249
11	1080	443	265	200	215	410	350	834	1240	294	331	254
12	1070	441	265	205	210	415	362	1220	1390	231	322	225
13	901	443	270	215	215	440	434	1440	1340	189	344	251
14	752	404	270	215	215	525	330	1510	1030	258	303	244
15	1010	417	270	215	210	635	359	1450	1090	225	321	230
16	1100	371	270	215	210	740	346	1320	1240	210	413	231
17	905	433	260	215	210	866	234	1320	1160	219	459	239
18	732	446	245	195	215	914	180	1080	1050	262	427	296
19	608	414	225	180	220	886	238	1290	962	295	392	279
20	661	383	225	190	220	815	232	1550	766	338	368	261
21	605	383	220	195	215	811	254	1340	665	371	359	272
22	545	377	210	205	220	786	249	1300	836	367	329	258
23	473	376	205	205	225	766	215	1150	815	450	295	209
24	464	370	210	200	225	730	221	995	721	335	282	483
25	434	360	215	200	210	649	172	989	758	294	311	375
26	408	372	220	205	200	622	158	867	679	217	328	371
27	321	347	225	205	195	655	175	892	724	261	317	296
28	313	331	245	210	210	686	285	1070	676	305	308	191
29	270	331	255	205	---	616	622	1140	655	374	274	254
30	228	195	250	200	---	552	825	1230	593	326	322	348
31	490	---	260	200	---	557	---	1240	---	379	300	---
TOTAL	18871	13387	7405	6480	5890	16641	10041	32115	30259	10936	11396	8446
MEAN	609	446	239	209	210	537	335	1036	1009	353	368	282
AC-FT	37430	26550	14690	12850	11680	33010	19920	63700	60020	21690	22600	16750
MAX	1480	808	275	250	225	914	825	1550	1440	515	726	483
MIN	165	195	170	180	195	200	158	602	593	189	240	191
CAL YR 2006	TOTAL	125646	MEAN	344	MAX	1480	MIN	63	AC-FT	249200		
WTR YR 2007	TOTAL	171867	MEAN	471	MAX	1550	MIN	158	AC-FT	340900		

MAX DISCH: 2040 CFS AT 09:15 ON Oct. 8, 2006 GH 5.49 FT. GH CORR. 0.01 FT. SHIFT 0.03 FT.
MAX GH: 5.50 FT. (GH CORR. 0.01 FT. APPLIED) AT 09:15 ON Oct. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08221500 RIO GRANDE NEAR MONTE VISTA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO

LOCATION.--UTM coordinates: 406626 meters Easting, 4158964 meters Northing, Zone 13S, NAD83, in NW ¼ NW ¼ NW ¼ section 1, T38N, R8E, NMPM, Rio Grande County, on left bank approximately 1 mile above bridge on county line road.

DRAINAGE AREA.--1,640 mi².

GAGE.--Primary record generated from electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 42-inch diameter corrugated metal well and shelter. A graphic water-stage recorder is operated as a data backup. Datum of gage is 7,595 feet, from topographic map.

REMARKS.--Record is complete and reliable, except for Nov. 30, 2006 through March 9, 2007, when the station was closed for the winter. The shaft encoder float was installed in an oil cylinder Mar. 9, 2007, and was the only record until Mar. 20, 2007, when the chart recorder was started. Stage-discharge relation was affected by ice March 10-15, 2007. A bank stabilization project, including the construction of a J-hook river structure, was undertaken from April 9-13, 2007. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOLINCO08 USED FROM 01-OCT-2006 TO 09-APR-2007
RIOLINCO09 USED FROM 09-APR-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

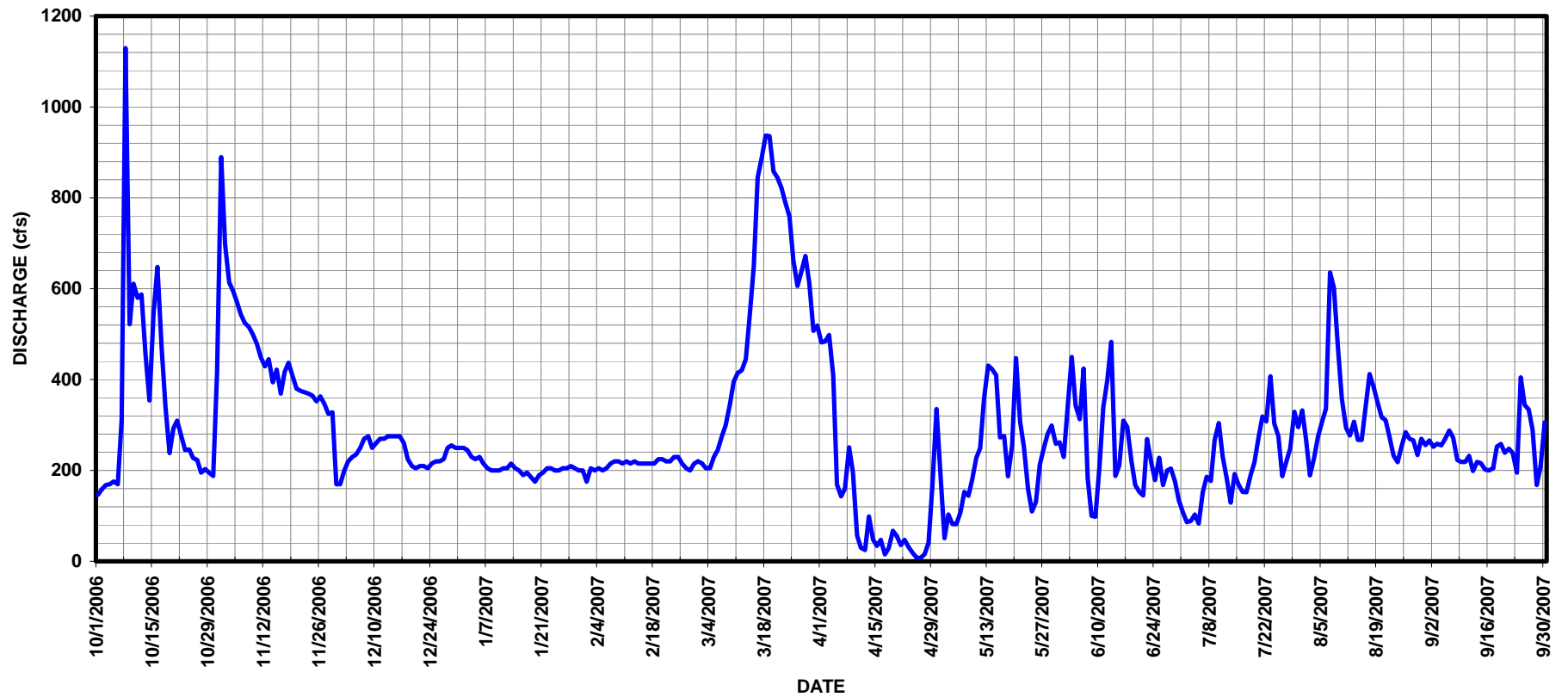
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	890	170	250	175	220	482	194	230	107	267	266
2	159	698	200	245	205	215	484	51	338	86	189	252
3	168	614	220	230	200	205	498	103	450	89	227	259
4	170	595	230	225	205	205	408	82	343	103	274	255
5	176	571	235	230	200	230	169	82	313	83	307	270
6	170	543	250	215	205	245	143	108	424	153	336	288
7	311	525	270	205	215	275	160	153	182	186	636	272
8	1130	516	275	200	220	300	251	144	100	177	602	223
9	522	500	250	200	220	345	196	180	98	267	467	219
10	611	479	260	200	215	395	57	228	211	304	357	219
11	580	450	270	205	220	415	30	249	339	231	294	232
12	587	429	270	205	215	420	25	358	400	182	277	199
13	453	445	275	215	220	445	99	431	483	129	307	219
14	354	394	275	205	215	540	48	423	188	192	267	216
15	547	422	275	200	215	650	34	410	211	169	267	202
16	648	369	275	190	215	845	47	273	310	153	342	200
17	472	417	260	195	215	889	15	276	296	152	412	205
18	341	437	225	185	215	937	29	187	222	190	383	253
19	238	407	210	175	225	936	67	255	168	218	350	258
20	293	380	205	190	225	858	56	447	153	270	317	239
21	310	375	210	195	220	845	36	307	145	319	311	248
22	276	372	210	205	220	822	47	251	269	308	272	238
23	245	369	205	205	230	790	31	158	218	407	233	195
24	246	365	215	200	230	759	19	110	179	303	218	405
25	227	352	220	200	215	663	7.7	131	228	275	253	344
26	223	363	220	205	205	606	7.0	213	168	187	284	334
27	195	346	225	205	200	637	16	248	200	220	270	289
28	203	325	250	210	215	672	41	281	204	249	266	168
29	195	328	255	205	---	613	166	299	176	329	234	209
30	188	170	250	200	---	507	335	259	134	295	270	306
31	416	---	250	200	---	519	---	262	---	332	256	---
TOTAL	10800	13446	7410	6395	5975	17003	4003.7	7153	7380	6665	9745	7482
MEAN	348	448	239	206	213	548	133	231	246	215	314	249
AC-FT	21420	26670	14700	12680	11850	33730	7940	14190	14640	13220	19330	14840
MAX	1130	890	275	250	230	937	498	447	483	407	636	405
MIN	146	170	170	175	175	205	7.0	51	98	83	189	168

CAL YR 2006 TOTAL 82930 MEAN 227 MAX 1130 MIN 45 AC-FT 164500
WTR YR 2007 TOTAL 103457.7 MEAN 283 MAX 1130 MIN 7 AC-FT 205200

MAX DISCH: 1590 CFS AT 10:00 ON Oct. 8, 2006 GH 5.88 FT. GH CORR. 0.10 FT. SHIFT 0.35 FT.
MAX GH: 5.98 FT. (GH CORR. 0.10 FT. APPLIED) AT 10:00 ON Oct. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO

LOCATION.--Lat 37°28'51", long 105°52'39", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on left bank 0.3 mile northwest of Adams State College and 9 miles upstream from Alamosa Creek.

DRAINAGE AREA.--1,710 mi².

GAGE.--Graphic water-stage recorder, shaft encoder, and a Sutron satellite monitoring system with air temperature probe in a 4 ft. by 6 ft. exposed aggregate building with a 4 ft. diameter concrete well. Datum of gage is 7,532.66 ft.

REMARKS.--Record is complete and reliable, except for November 30, 2006 to Mar. 8, 2007, when the station was closed; and October 19, 20, 26, 27, 2006, when the lower inlets were left closed and the gage became temporarily isolated. The stage-discharge relation was affected by ice March 9-11, 2007. Record is good except, for periods of no gage-height and ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOALACO22D USED FROM 01-OCT-2006 TO 30-SEP-2007

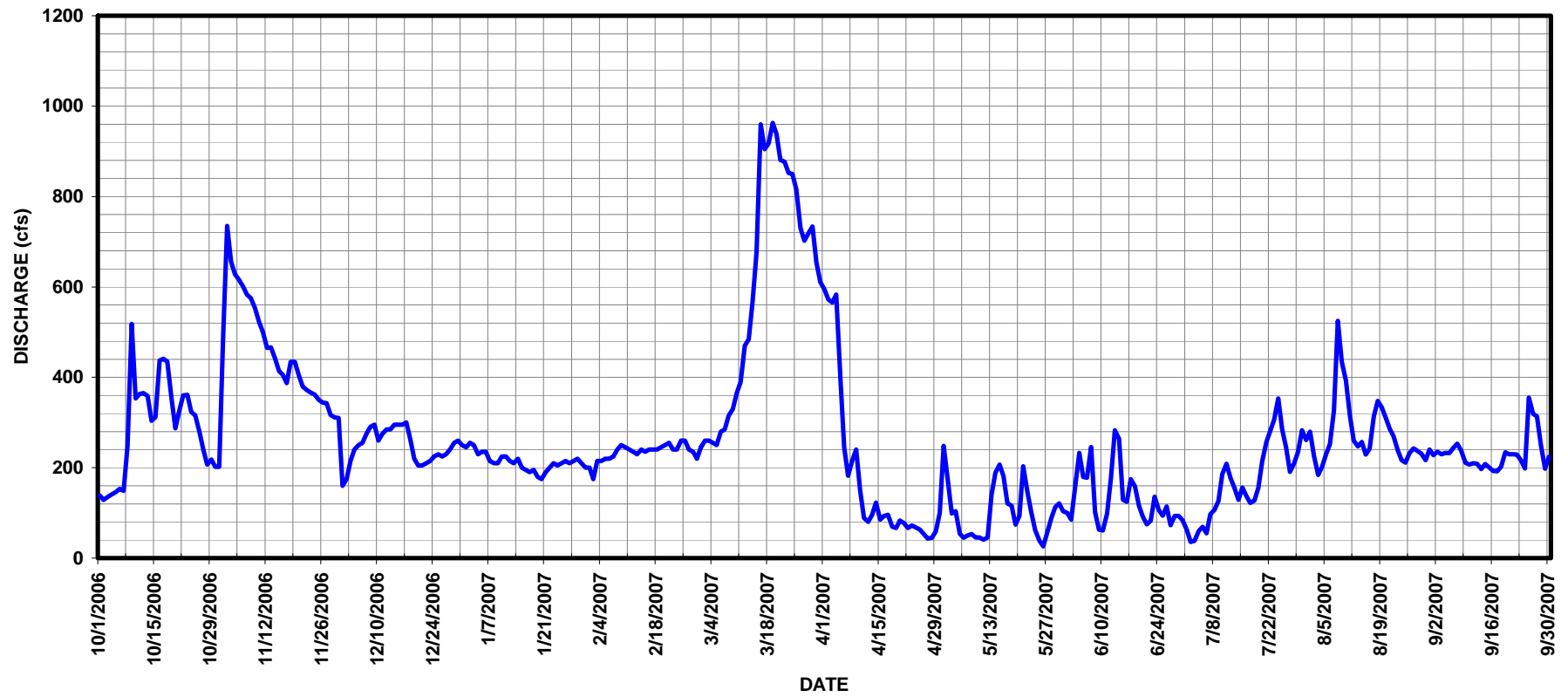
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	479	160	245	200	245	594	248	100	63	280	228
2	129	735	175	255	175	260	572	172	85	36	226	235
3	135	656	215	250	215	260	566	99	157	38	184	230
4	141	628	240	230	215	255	583	104	233	60	202	233
5	146	615	250	235	220	250	404	54	180	69	229	232
6	153	601	255	235	220	280	245	45	178	55	252	244
7	149	583	275	215	225	285	182	50	246	97	326	253
8	248	575	290	210	240	315	216	53	102	107	525	238
9	518	553	295	210	250	330	240	46	63	126	435	211
10	353	523	260	225	245	365	151	46	61	186	393	207
11	363	500	275	225	240	390	89	41	98	209	316	210
12	365	465	285	215	235	470	80	46	177	178	260	209
13	359	466	285	210	230	484	96	140	283	156	247	197
14	304	443	295	220	240	569	123	189	264	129	257	208
15	312	414	295	200	235	676	85	207	129	156	229	201
16	437	405	295	195	240	960	93	181	125	138	242	193
17	441	387	300	190	240	905	96	121	175	122	314	193
18	435	434	265	195	240	917	70	116	159	127	348	202
19	354	434	220	180	245	963	67	74	117	155	334	234
20	287	405	205	175	250	938	83	93	92	214	310	230
21	326	380	205	190	255	881	78	203	75	257	286	230
22	360	372	210	200	240	877	67	147	83	281	270	229
23	361	366	215	210	240	852	72	101	136	306	239	216
24	323	362	225	205	260	850	68	62	106	353	217	198
25	316	350	230	210	260	816	63	39	94	285	211	355
26	280	344	225	215	240	730	53	26	114	245	232	319
27	240	343	230	210	235	702	43	56	73	191	243	314
28	207	317	240	215	220	718	45	89	93	210	237	251
29	218	311	255	220	---	734	59	113	93	235	231	198
30	202	310	260	210	---	654	100	121	84	283	217	224
31	202	---	250	200	---	611	---	104	---	261	240	---
TOTAL	8803	13756	7680	6600	6550	18542	5283	3186	3975	5328	8532	6922
MEAN	284	459	248	213	234	598	176	103	133	172	275	231
AC-FT	17460	27290	15230	13090	12990	36780	10480	6320	7880	10570	16920	13730
MAX	518	735	300	255	260	963	594	248	283	353	525	355
MIN	129	310	160	175	175	245	43	26	61	36	184	193
CAL YR	2006	TOTAL	73861	MEAN	202	MAX	735	MIN	53	AC-FT	146500	
WTR YR	2007	TOTAL	95157	MEAN	261	MAX	963	MIN	26	AC-FT	188700	

MAX DISCH: 1040 CFS AT 07:45 ON Mar. 16, 2007 GH 5.55 FT. SHIFT -0.13 FT.
MAX GH: 5.55 FT. AT 07:45 ON Mar. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08223000 RIO GRANDE AT ALAMOSA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO

RIO GRANDE COMPACT STATION

LOCATION.--Lat 37°28'33", long 105°45'58", SW¼SW¼, sec. 3, T.37 N., R.11 E., Alamosa County, Hydrologic Unit 13010002, 400 ft north of State Highway 160, 5.5 mi east of Alamosa, Co. on right bank of Closed Basin Project Canal.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder, with shaft encoders in upstream and downstream wells (Ha and Hb), and Sutron satellite monitoring system in 8 ft. x 10 ft. steel plated building with concrete stilling wells at a 12 ft. concrete Parshall flume. The downstream (Hb) well is monitored to detect submergence. The Bureau of Reclamation owns and operates an independent Sutron system using pressure transducers, a water quality monitor, and temperature sensor.

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice Mar. 3, 2007; and by backwater (submerged) on Dec. 21, 2006, caused by a downstream ice jam. Record is good, except for periods of ice and backwater affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CBPALACO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	25	27	30	28	19	14	22	22	24	25	23
2	26	25	28	30	27	19	14	21	23	23	25	23
3	25	26	30	30	26	20	18	17	24	23	24	23
4	25	27	31	30	24	20	21	15	23	23	24	23
5	25	29	31	30	24	20	21	15	23	23	25	23
6	24	28	33	31	25	21	20	20	20	22	24	23
7	24	28	33	32	25	23	20	23	24	22	24	23
8	26	28	32	32	23	23	20	25	24	20	24	23
9	25	27	32	32	23	23	20	24	24	20	24	23
10	25	27	31	32	21	22	24	23	24	19	24	24
11	25	27	32	31	21	22	25	23	24	18	24	23
12	25	27	32	30	21	22	24	22	24	19	25	22
13	25	27	32	31	21	21	24	22	25	20	25	22
14	24	28	32	31	20	20	21	22	25	23	25	22
15	23	27	33	30	19	19	20	22	25	23	24	22
16	22	26	32	30	19	18	20	22	26	24	24	22
17	20	26	31	30	19	16	21	22	25	23	24	23
18	19	27	32	29	17	14	22	22	26	23	25	24
19	19	27	33	29	17	14	22	22	25	23	24	23
20	20	27	34	29	19	15	22	23	25	22	24	23
21	20	28	33	29	20	17	23	24	24	20	23	24
22	21	29	32	29	22	17	24	22	25	20	20	24
23	23	29	31	29	27	16	24	21	25	20	20	23
24	26	28	30	28	30	16	28	20	25	20	28	22
25	26	28	28	28	29	14	31	20	25	24	27	23
26	30	27	29	29	27	14	29	20	25	24	25	23
27	29	26	29	30	21	15	28	20	24	26	23	24
28	27	24	29	31	18	11	26	21	24	26	23	24
29	24	28	29	30	---	12	25	20	25	25	23	22
30	22	28	29	29	---	12	23	21	25	25	23	23
31	23	---	29	29	---	13	---	22	---	25	23	---
TOTAL	740	814	959	930	633	548	674	658	728	692	745	689
MEAN	23.9	27.1	30.9	30.0	22.6	17.7	22.5	21.2	24.3	22.3	24.0	23.0
AC-FT	1470	1610	1900	1840	1260	1090	1340	1310	1440	1370	1480	1370
MAX	30	29	34	32	30	23	31	25	26	26	28	24
MIN	19	24	27	28	17	11	14	15	20	18	20	22

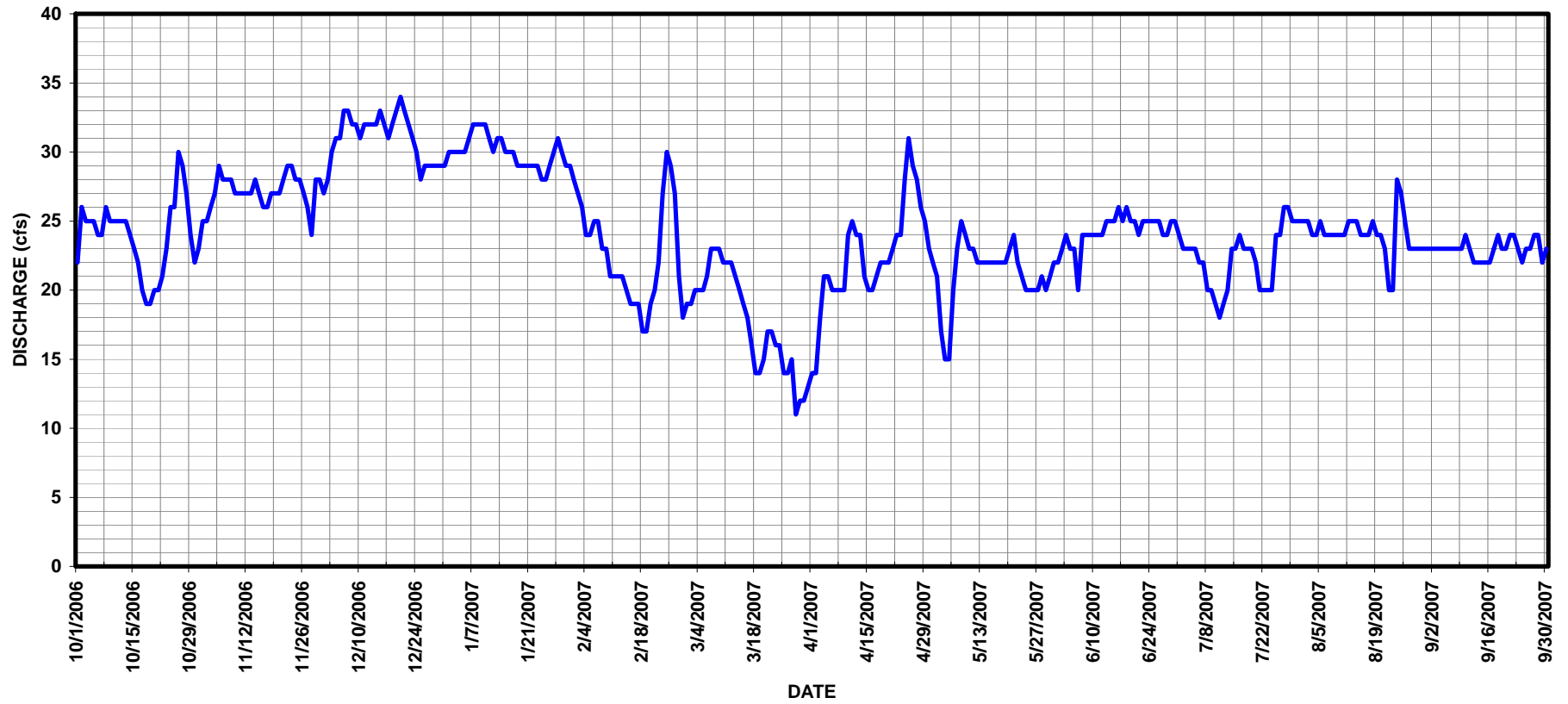
CAL YR	2006	TOTAL	8563.2	MEAN	23.5	MAX	34	MIN	6.4	AC-FT	16990
WTR YR	2007	TOTAL	8810	MEAN	24.1	MAX	34	MIN	11	AC-FT	17470

MAX DISCH: 34 CFS AT 11:15 ON Dec. 20, 2006 GH 0.82 FT. SHIFT 0 FT.

MAX GH: 1.92 FT. AT 07:30 ON Dec. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08224500 KERBER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°13'13", long 106°05'20", in SW¼SE¼, sec. 21, T. 46 N., R. 8 E., Saguache County, on left bank 7 miles west of Villa Grove.

DRAINAGE AREA AND PERIOD OF RECORD.--45.4 mi² (revised). (approx.) Originally established with staff gage only in 1911. Station at various locations from that time.

GAGE.--Graphic water-stage recorder, shaft encoder, and Sutron satellite monitoring system in a 6' by 6' exposed aggregate gage and 4' diameter concrete well at a concrete ramp flume. Full station name: Kerber Creek above Little Kerber Creek near Villa Grove, CO. Elevation of gage is 8,634 ft. from topographic map.

REMARKS.--Record is complete and reliable, except for January 13-31, February 1-6, 25-28 and March 1-20, 2007, when the float was affected by ice in the well. Stage-discharge relation was affected by ice November 12 through December 31, 2006, January 1-12, and February 7-24, 2007. The record is good, except for periods of no gage-height and ice affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--KERVILCO18 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

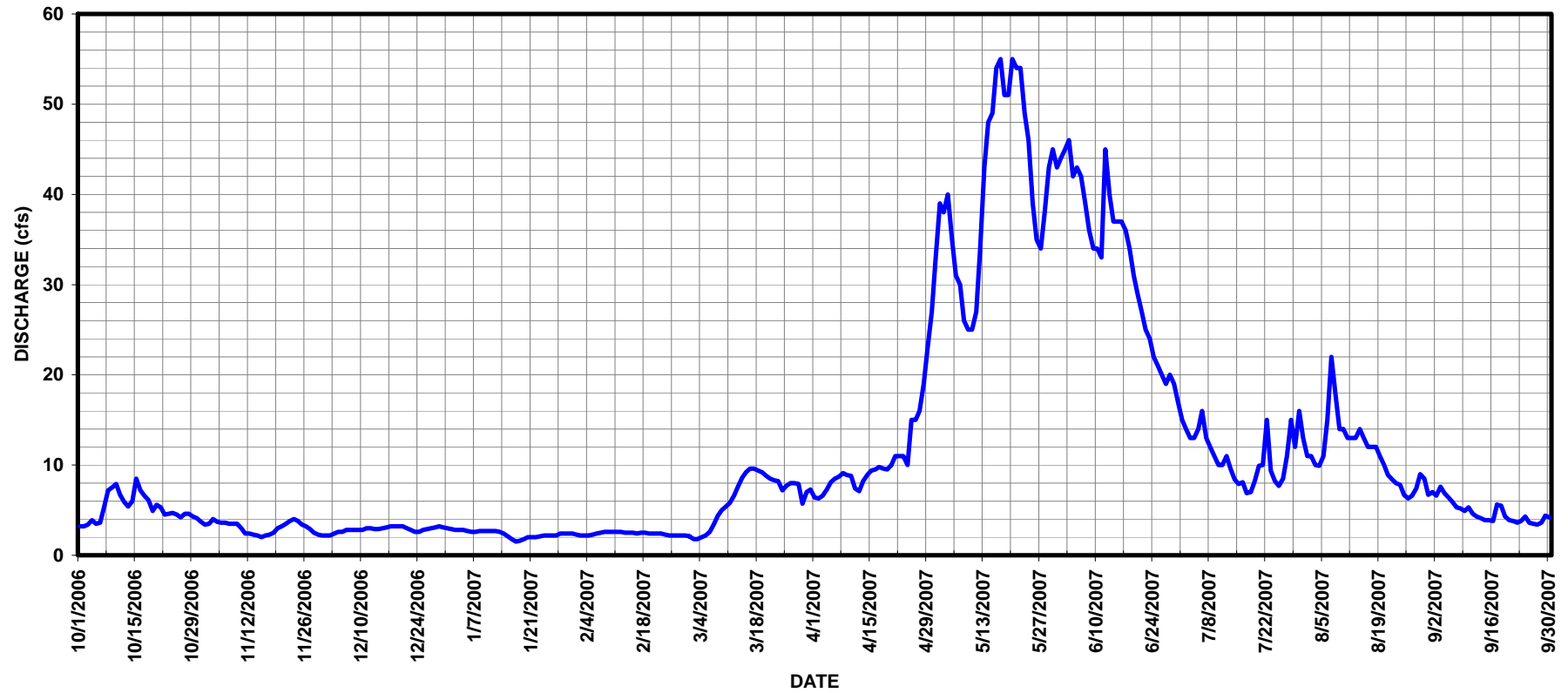
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.4	2.2	2.9	2.3	2.1	6.4	33	44	15	11	7.0
2	3.2	3.5	2.2	2.8	2.2	1.8	6.3	39	45	14	11	6.6
3	3.4	4.0	2.4	2.8	2.2	1.8	6.6	38	46	13	10	7.6
4	3.9	3.7	2.6	2.8	2.2	2.0	7.3	40	42	13	9.9	6.9
5	3.5	3.6	2.6	2.7	2.3	2.2	8.1	35	43	14	11	6.4
6	3.6	3.6	2.8	2.6	2.4	2.6	8.5	31	42	16	15	5.9
7	5.3	3.5	2.8	2.6	2.5	3.4	8.7	30	39	13	22	5.3
8	7.2	3.5	2.8	2.7	2.6	4.4	9.1	26	36	12	18	5.2
9	7.5	3.5	2.8	2.7	2.6	5.0	8.9	25	34	11	14	4.9
10	7.9	3.0	2.8	2.7	2.6	5.4	8.8	25	34	10	14	5.3
11	6.7	2.4	3.0	2.7	2.6	5.8	7.4	27	33	10	13	4.6
12	5.9	2.4	3.0	2.7	2.6	6.6	7.1	34	45	11	13	4.3
13	5.4	2.3	2.9	2.6	2.5	7.6	8.2	43	40	9.6	13	4.1
14	6.0	2.2	2.9	2.4	2.5	8.6	8.9	48	37	8.4	14	3.9
15	8.5	2.0	3.0	2.1	2.5	9.2	9.4	49	37	7.9	13	3.9
16	7.2	2.2	3.1	1.8	2.4	9.6	9.5	54	37	8.1	12	3.8
17	6.6	2.3	3.2	1.5	2.5	9.6	9.8	55	36	6.9	12	5.6
18	6.1	2.5	3.2	1.6	2.5	9.4	9.6	51	34	7.0	12	5.5
19	4.9	3.0	3.2	1.8	2.4	9.2	9.5	51	31	8.2	11	4.3
20	5.6	3.2	3.2	2.0	2.4	8.8	10	55	29	9.9	10	3.9
21	5.3	3.5	3.0	2.0	2.4	8.5	11	54	27	10	8.9	3.8
22	4.5	3.8	2.8	2.0	2.4	8.3	11	54	25	15	8.4	3.6
23	4.6	4.0	2.6	2.1	2.3	8.2	11	49	24	9.4	8.0	3.8
24	4.7	3.8	2.6	2.2	2.2	7.2	10	46	22	8.2	7.8	4.3
25	4.5	3.4	2.8	2.2	2.2	7.7	15	39	21	7.7	6.7	3.6
26	4.2	3.2	2.9	2.2	2.2	8.0	15	35	20	8.5	6.3	3.5
27	4.6	2.9	3.0	2.2	2.2	8.0	16	34	19	11	6.6	3.4
28	4.6	2.5	3.1	2.4	2.2	7.9	19	38	20	15	7.4	3.6
29	4.3	2.3	3.2	2.4	---	5.7	23	43	19	12	9.0	4.4
30	4.1	2.2	3.1	2.4	---	7.0	27	45	17	16	8.5	4.2
31	3.7	---	3.0	2.4	---	7.3	---	43	---	13	6.7	---
TOTAL	160.7	91.4	88.8	73.0	66.9	198.9	326.1	1269	978	343.8	343.2	143.2
MEAN	5.18	3.05	2.86	2.35	2.39	6.42	10.9	40.9	32.6	11.1	11.1	4.77
AC-FT	319	181	176	145	133	395	647	2520	1940	682	681	284
MAX	8.5	4.0	3.2	2.9	2.6	9.6	27	55	46	16	22	7.6
MIN	3.2	2.0	2.2	1.5	2.2	1.8	6.3	25	17	6.9	6.3	3.4

CAL YR	2006	TOTAL	2555.2	MEAN	7.0	MAX	33	MIN	1.1	AC-FT	5070
WTR YR	2007	TOTAL	4083	MEAN	11.2	MAX	55	MIN	1.5	AC-FT	8100

MAX DISCH: 60 CFS AT 23:00 ON May. 16, 2007 GH 1.29 FT. SHIFT 0.10 FT.
MAX GH: 1.29 FT. AT 23:00 ON May. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08224500 KERBER CREEK NEAR VILLA GROVE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
GARNER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°10'27", long 105°48'29", in SE ¼ SE ¼ Sec. 1, T.45 N., R.10 E., NMPM, Saguache Co., on right bank, 12 miles SE of Villa Grove.

DRAINAGE AREA.--6.4 mi².

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 2-foot steel culvert pipe stilling well with a small steel box-type shelter atop well. A 1-inch intake pipe attaches well to 2-foot Parshall flume. Flume and staff gage have been at this site many years. Elevation 8680 ft.

REMARKS.--Record is complete and reliable, except for October 26, 2006, when the station failed to transmit values for four hours; Nov. 28, 2006 through Dec. 5, 2006, when the well was frozen; Dec. 6, 2006 through Mar. 27, 2007, when the station was closed for the winter; and May 8-14, 18-23, 25-31, June 1-5, 7, 8, 16-27, 2007, when the inlet was plugged. Stage-discharge relation was affected by ice Nov. 15, 2006, March 29, 30, April 11, 14, 2007. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--GARVILCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

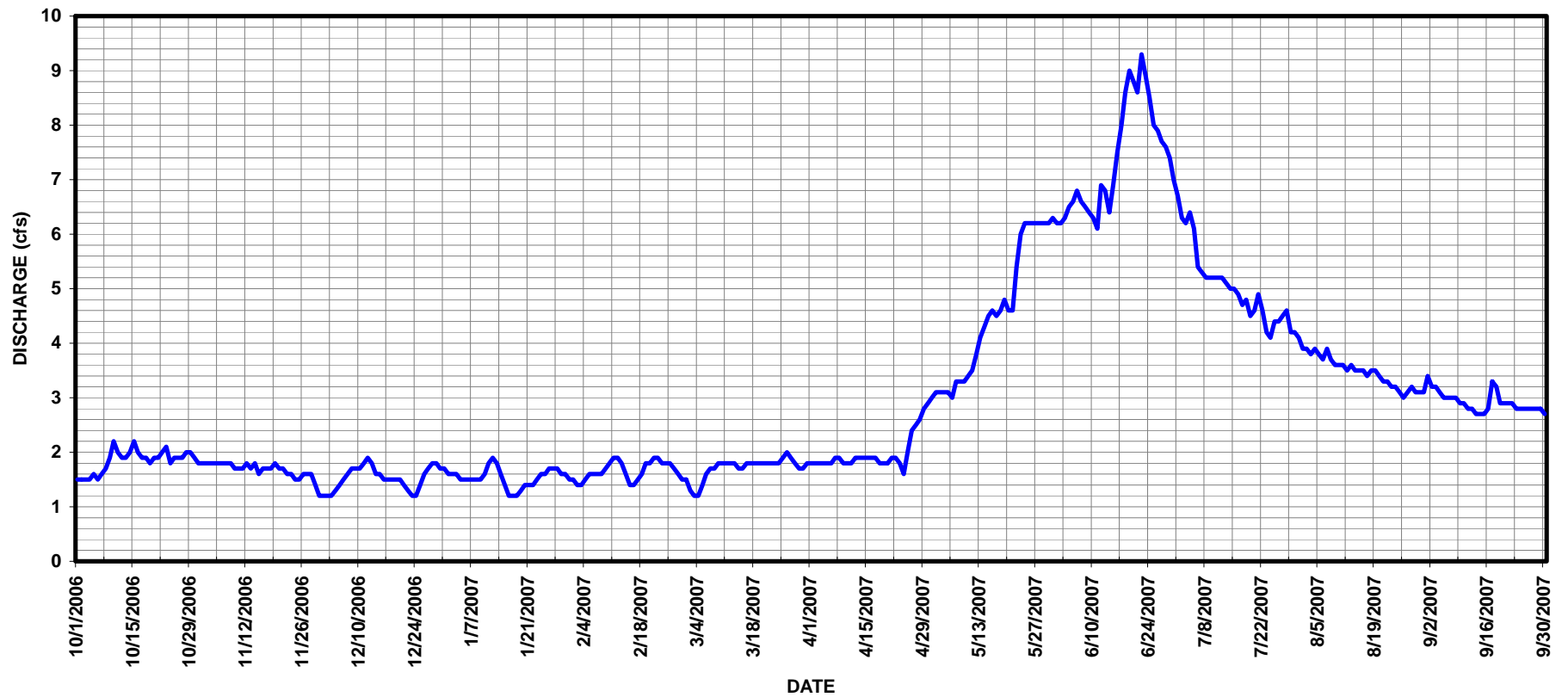
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.8	1.2	1.6	1.5	1.5	1.8	3.0	6.2	6.7	3.9	3.4
2	1.5	1.8	1.2	1.6	1.4	1.3	1.8	3.1	6.2	6.3	3.9	3.2
3	1.5	1.8	1.2	1.6	1.4	1.2	1.8	3.1	6.3	6.2	3.8	3.2
4	1.5	1.8	1.3	1.5	1.5	1.2	1.8	3.1	6.5	6.4	3.9	3.1
5	1.6	1.8	1.4	1.5	1.6	1.4	1.8	3.1	6.6	6.1	3.8	3.0
6	1.5	1.8	1.5	1.5	1.6	1.6	1.8	3.0	6.8	5.4	3.7	3.0
7	1.6	1.8	1.6	1.5	1.6	1.7	1.9	3.3	6.6	5.3	3.9	3.0
8	1.7	1.8	1.7	1.5	1.6	1.7	1.9	3.3	6.5	5.2	3.7	3.0
9	1.9	1.7	1.7	1.5	1.7	1.8	1.8	3.3	6.4	5.2	3.6	2.9
10	2.2	1.7	1.7	1.6	1.8	1.8	1.8	3.4	6.3	5.2	3.6	2.9
11	2.0	1.7	1.8	1.8	1.9	1.8	1.8	3.5	6.1	5.2	3.6	2.8
12	1.9	1.8	1.9	1.9	1.9	1.8	1.9	3.8	6.9	5.2	3.5	2.8
13	1.9	1.7	1.8	1.8	1.8	1.8	1.9	4.1	6.8	5.1	3.6	2.7
14	2.0	1.8	1.6	1.6	1.6	1.7	1.9	4.3	6.4	5.0	3.5	2.7
15	2.2	1.6	1.6	1.4	1.4	1.7	1.9	4.5	6.9	5.0	3.5	2.7
16	2.0	1.7	1.5	1.2	1.4	1.8	1.9	4.6	7.5	4.9	3.5	2.8
17	1.9	1.7	1.5	1.2	1.5	1.8	1.9	4.5	8.0	4.7	3.4	3.3
18	1.9	1.7	1.5	1.2	1.6	1.8	1.8	4.6	8.6	4.8	3.5	3.2
19	1.8	1.8	1.5	1.3	1.8	1.8	1.8	4.8	9.0	4.5	3.5	2.9
20	1.9	1.7	1.5	1.4	1.8	1.8	1.8	4.6	8.8	4.6	3.4	2.9
21	1.9	1.7	1.4	1.4	1.9	1.8	1.9	4.6	8.6	4.9	3.3	2.9
22	2.0	1.6	1.3	1.4	1.9	1.8	1.9	5.4	9.3	4.6	3.3	2.9
23	2.1	1.6	1.2	1.5	1.8	1.8	1.8	6.0	8.9	4.2	3.2	2.8
24	1.8	1.5	1.2	1.6	1.8	1.8	1.6	6.2	8.5	4.1	3.2	2.8
25	1.9	1.5	1.4	1.6	1.8	1.9	2.0	6.2	8.0	4.4	3.1	2.8
26	1.9	1.6	1.6	1.7	1.7	2.0	2.4	6.2	7.9	4.4	3.0	2.8
27	1.9	1.6	1.7	1.7	1.6	1.9	2.5	6.2	7.7	4.5	3.1	2.8
28	2.0	1.6	1.8	1.7	1.5	1.8	2.6	6.2	7.6	4.6	3.2	2.8
29	2.0	1.4	1.8	1.6	---	1.7	2.8	6.2	7.4	4.2	3.1	2.8
30	1.9	1.2	1.7	1.6	---	1.7	2.9	6.2	7.0	4.2	3.1	2.7
31	1.8	---	1.7	1.5	---	1.8	---	6.3	---	4.1	3.1	---
TOTAL	57.2	50.3	47.5	47.5	46.4	53.0	59.2	140.7	220.3	155.2	107.5	87.6
MEAN	1.85	1.68	1.53	1.53	1.66	1.71	1.97	4.54	7.34	5.01	3.47	2.92
AC-FT	113	100	94	94	92	105	117	279	437	308	213	174
MAX	2.2	1.8	1.9	1.9	1.9	2.0	2.9	6.3	9.3	6.7	3.9	3.4
MIN	1.5	1.2	1.2	1.2	1.4	1.2	1.6	3.0	6.1	4.1	3.0	2.7
CAL YR 2006	TOTAL	596.2	MEAN	1.63	MAX	2.2	MIN	1.2	AC-FT	1180		
WTR YR 2007	TOTAL	1072.4	MEAN	2.94	MAX	9.3	MIN	1.2	AC-FT	2130		

MAX DISCH: 9.40 CFS AT 11:45 ON Jun. 22, 2007 GH 1.02 FT. GH CORR. 0.02 FT. SHIFT 0.07 FT. (Estimated)
MAX GH: 1.04 FT. (GH CORR. 0.02 FT. APPLIED) AT 11:45 ON Jun. 22, 2007 (Estimated)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

GARNER CREEK NEAR VILLA GROVE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
MAJOR CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°09'26", long 105°48'32", in NE ¼ NE ¼ Sec. 13, T.45 N., R.10 E., NMPM, Saguache Co., on right bank, 11 miles SE of Villa Grove.

DRAINAGE AREA.--5.0 mi².

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 2 foot steel culvert pipe stilling well with a small steel box-type shelter atop well at a 2-foot Parshall flume. Elevation of gage is 8410 ft.

REMARKS.--Record is complete and reliable, except for Nov. 30, Dec. 1 - 5, 2006, when the well was frozen;; Dec.6, 2006 - Mar.27, 2007, when the station was closed for the winter; and May 8, June 30, Aug. 16, 2007, when there was missing satellite data. Stage-discharge relation was affected by ice Nov. 15, 28, 29, 2006 and April 11-13, 2007. Record good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--MAJVILCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

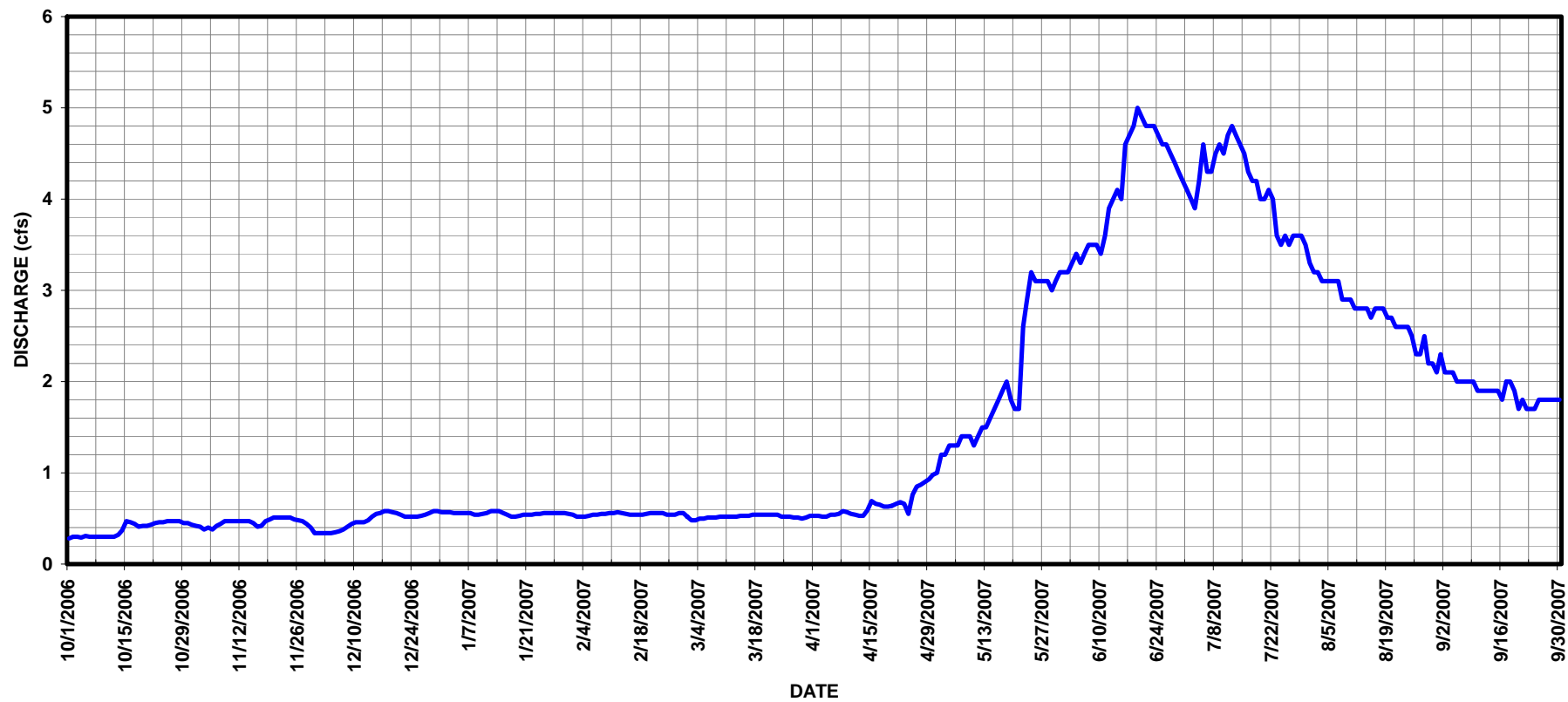
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	.42	.34	.57	.54	.52	.53	1.0	3.2	4.1	3.2	2.3
2	.30	.41	.34	.57	.52	.48	.53	1.2	3.2	4.0	3.2	2.1
3	.30	.38	.34	.56	.52	.48	.52	1.2	3.3	3.9	3.1	2.1
4	.29	.40	.34	.56	.52	.50	.52	1.3	3.4	4.2	3.1	2.1
5	.31	.38	.35	.56	.53	.50	.54	1.3	3.3	4.6	3.1	2.0
6	.30	.42	.36	.56	.54	.51	.54	1.3	3.4	4.3	3.1	2.0
7	.30	.44	.38	.56	.54	.51	.55	1.4	3.5	4.3	3.1	2.0
8	.30	.47	.41	.54	.55	.51	.58	1.4	3.5	4.5	2.9	2.0
9	.30	.47	.44	.54	.55	.52	.57	1.4	3.5	4.6	2.9	2.0
10	.30	.47	.46	.55	.56	.52	.55	1.3	3.4	4.5	2.9	1.9
11	.30	.47	.46	.56	.56	.52	.54	1.4	3.6	4.7	2.8	1.9
12	.30	.47	.46	.58	.57	.52	.53	1.5	3.9	4.8	2.8	1.9
13	.32	.47	.48	.58	.56	.52	.53	1.5	4.0	4.7	2.8	1.9
14	.37	.47	.52	.58	.55	.53	.59	1.6	4.1	4.6	2.8	1.9
15	.47	.45	.55	.56	.54	.53	.69	1.7	4.0	4.5	2.7	1.9
16	.46	.41	.56	.54	.54	.53	.66	1.8	4.6	4.3	2.8	1.8
17	.44	.42	.58	.52	.54	.54	.65	1.9	4.7	4.2	2.8	2.0
18	.41	.47	.58	.52	.54	.54	.63	2.0	4.8	4.2	2.8	2.0
19	.42	.49	.57	.53	.55	.54	.63	1.8	5.0	4.0	2.7	1.9
20	.42	.51	.56	.54	.56	.54	.64	1.7	4.9	4.0	2.7	1.7
21	.43	.51	.54	.54	.56	.54	.66	1.7	4.8	4.1	2.6	1.8
22	.45	.51	.52	.54	.56	.54	.68	2.6	4.8	4.0	2.6	1.7
23	.46	.51	.52	.55	.56	.54	.66	2.9	4.8	3.6	2.6	1.7
24	.46	.51	.52	.55	.54	.52	.55	3.2	4.7	3.5	2.6	1.7
25	.47	.49	.52	.56	.54	.52	.76	3.1	4.6	3.6	2.5	1.8
26	.47	.48	.53	.56	.54	.52	.85	3.1	4.6	3.5	2.3	1.8
27	.47	.47	.54	.56	.56	.51	.87	3.1	4.5	3.6	2.3	1.8
28	.47	.44	.56	.56	.56	.51	.90	3.1	4.4	3.6	2.5	1.8
29	.45	.40	.58	.56	---	.50	.93	3.0	4.3	3.6	2.2	1.8
30	.45	.34	.58	.56	---	.51	.98	3.1	4.2	3.5	2.2	1.8
31	.43	---	.57	.55	---	.53	---	3.2	---	3.3	2.1	---
TOTAL	11.90	13.55	15.06	17.17	15.30	16.10	19.36	61.8	123.0	126.9	84.8	57.1
MEAN	.38	.45	.49	.55	.55	.52	.65	1.99	4.10	4.09	2.74	1.90
AC-FT	24	27	30	34	30	32	38	123	244	252	168	113
MAX	.47	.51	.58	.58	.57	.54	.98	3.2	5.0	4.8	3.2	2.3
MIN	.28	.34	.34	.52	.52	.48	.52	1.0	3.2	3.3	2.1	1.7

CAL YR	2006	TOTAL	169.40	MEAN	0.46	MAX	0.75	MIN	.23	AC-FT	336
WTR YR	2007	TOTAL	562.04	MEAN	1.54	MAX	5	MIN	.28	AC-FT	1110

MAX DISCH: 8.64 CFS AT 15:15 ON Aug. 28, 2007 GH 1.04 FT. GH CORR. -.01 FT. SHIFT 0.02 FT.
MAX GH: 1.03 FT. (GH CORR. -.01 FT. APPLIED) AT 15:15 ON Aug. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

MAJOR CREEK NEAR VILLA GROVE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
COTTON CREEK NEAR MINERAL HOT SPRINGS, CO

LOCATION.--Lat 38°07'55", long 105°47'15", in SW ¼ NE ¼ Sec. 15, T.45 N., R.11 E., NMPM, Saguache Co., on left bank, 9 miles SE of Mineral Hot Springs.

DRAINAGE AREA.--12.8 mi².

GAGE.--Graphic water stage recorder, shaft encoder, and Sutron data collection platform with satellite telemetry in 4-foot diameter culvert pipe well and shelter. Primary reference gage is drop tape with weight from a reference point set in the shelf. Elevation of gage is 8600 ft.

REMARKS.--Record is complete and reliable, except for Nov. 15, 2006 through Mar. 27, 2007, when the station was closed for the winter; and Jun. 13-19, 27, Jul. 4-6, 2007, when the inlets were plugged. Record is good, except for periods of no gage-height, which are poor. The peak gage-height and maximum discharge were based on the last assumed correct gage-height prior to the inlets plugging and should also be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--COCRMICO02 USED FROM 01-OCT-2006 TO 15-NOV-2006
COCRMICO03 USED FROM 15-NOV-2006 TO 30-SEP-2007

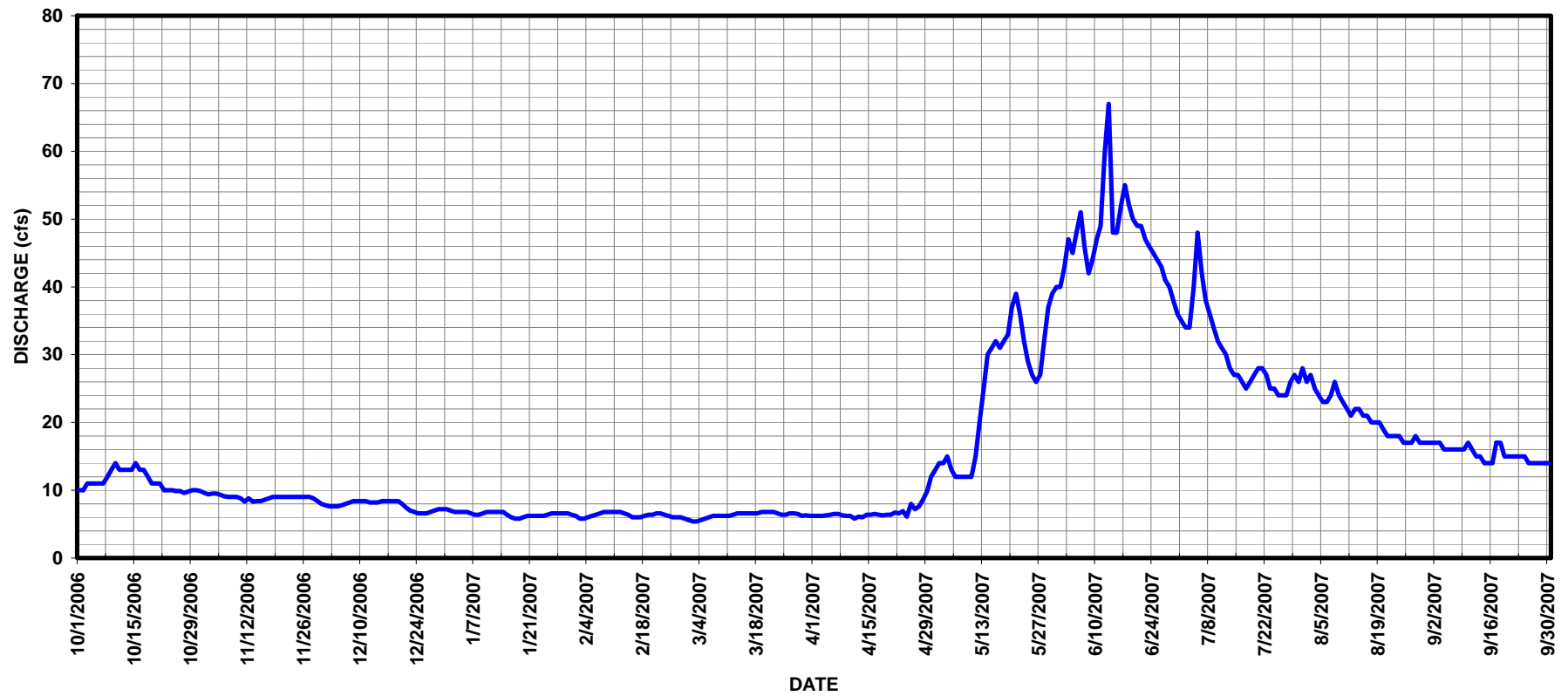
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.6	7.8	7.0	6.2	5.6	6.2	13	40	35	26	17
2	10	9.4	7.6	6.8	5.8	5.4	6.2	14	43	34	27	17
3	11	9.5	7.6	6.8	5.8	5.4	6.2	14	47	34	25	17
4	11	9.5	7.6	6.8	6.0	5.6	6.3	15	45	40	24	16
5	11	9.3	7.8	6.8	6.2	5.8	6.4	13	48	48	23	16
6	11	9.1	8.0	6.6	6.4	6.0	6.5	12	51	42	23	16
7	11	9.0	8.2	6.4	6.6	6.2	6.5	12	46	38	24	16
8	12	9.0	8.4	6.4	6.8	6.2	6.3	12	42	36	26	16
9	13	9.0	8.4	6.6	6.8	6.2	6.2	12	44	34	24	16
10	14	8.8	8.4	6.8	6.8	6.2	6.2	12	47	32	23	17
11	13	8.3	8.4	6.8	6.8	6.2	5.8	15	49	31	22	16
12	13	8.8	8.2	6.8	6.8	6.4	6.1	20	60	30	21	15
13	13	8.3	8.2	6.8	6.6	6.6	6.0	25	67	28	22	15
14	13	8.4	8.2	6.8	6.4	6.6	6.4	30	48	27	22	14
15	14	8.4	8.4	6.4	6.0	6.6	6.4	31	48	27	21	14
16	13	8.6	8.4	6.0	6.0	6.6	6.5	32	52	26	21	14
17	13	8.8	8.4	5.8	6.0	6.6	6.4	31	55	25	20	17
18	12	9.0	8.4	5.8	6.2	6.6	6.3	32	52	26	20	17
19	11	9.0	8.4	6.0	6.4	6.8	6.4	33	50	27	20	15
20	11	9.0	8.0	6.2	6.4	6.8	6.4	37	49	28	19	15
21	11	9.0	7.4	6.2	6.6	6.8	6.7	39	49	28	18	15
22	10	9.0	7.0	6.2	6.6	6.8	6.6	36	47	27	18	15
23	10	9.0	6.8	6.2	6.4	6.6	6.9	32	46	25	18	15
24	10	9.0	6.6	6.2	6.2	6.4	6.1	29	45	25	18	15
25	9.9	9.0	6.6	6.4	6.0	6.4	8.0	27	44	24	17	14
26	9.9	9.0	6.6	6.6	6.0	6.6	7.2	26	43	24	17	14
27	9.6	9.0	6.8	6.6	6.0	6.6	7.6	27	41	24	17	14
28	9.8	8.8	7.0	6.6	5.8	6.5	8.6	32	40	26	18	14
29	10	8.4	7.2	6.6	---	6.2	9.9	37	38	27	17	14
30	10	8.0	7.2	6.6	---	6.3	12	39	36	26	17	14
31	9.9	---	7.2	6.4	---	6.2	---	40	---	28	17	---
TOTAL	350.1	267.0	239.2	201.0	176.6	195.8	205.3	779	1412	932	645	460
MEAN	11.3	8.90	7.72	6.48	6.31	6.32	6.84	25.1	47.1	30.1	20.8	15.3
AC-FT	694	530	474	399	350	388	407	1550	2800	1850	1280	912
MAX	14	9.6	8.4	7.0	6.8	6.8	12	40	67	48	27	17
MIN	9.6	8.0	6.6	5.8	5.8	5.4	5.8	12	36	24	17	14
CAL YR	2006	TOTAL	3497.7	MEAN	9.58	MAX	22	MIN	5.1	AC-FT	6940	
WTR YR	2007	TOTAL	5863	MEAN	16.1	MAX	67	MIN	5.4	AC-FT	11630	

MAX DISCH: 82.1 CFS AT 22:00 ON Jul. 4, 2007 GH 3.92 FT. SHIFT 0 FT.
MAX GH: 3.92 FT. AT 22:00 ON Jul. 4, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

COTTON CREEK NEAR MINERAL HOT SPRINGS CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
WILD CHERRY CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°06'01", long 105°46'04", SW ¼ SW ¼ Sec. 33, T.45 N., R.11 E., NMPM, Saguache Co., on right bank, 12 miles SE of Mineral Hot Springs, 8 Miles NW of Crestone.

DRAINAGE AREA.--4.5 mi².

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 4-foot diameter culvert pipe well and shelter. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8560 ft.

REMARKS.--Record complete and reliable, except for Oct. 15-19, 2006, April 28-30, May 13-17, 19-22, 2007, when the inlets were plugged and the well was isolated from the stream; Nov. 14-18, 29, 30, Dec. 1-5, 2006, Mar. 29-31, April 11, 25, 2007, when the well was frozen; and Dec. 6, 2006 through Mar. 27, 2007, when station was closed for the winter. Stage-discharge relationship was affected by ice April 14, 24, 2007. Record is fair, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CHECRECO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

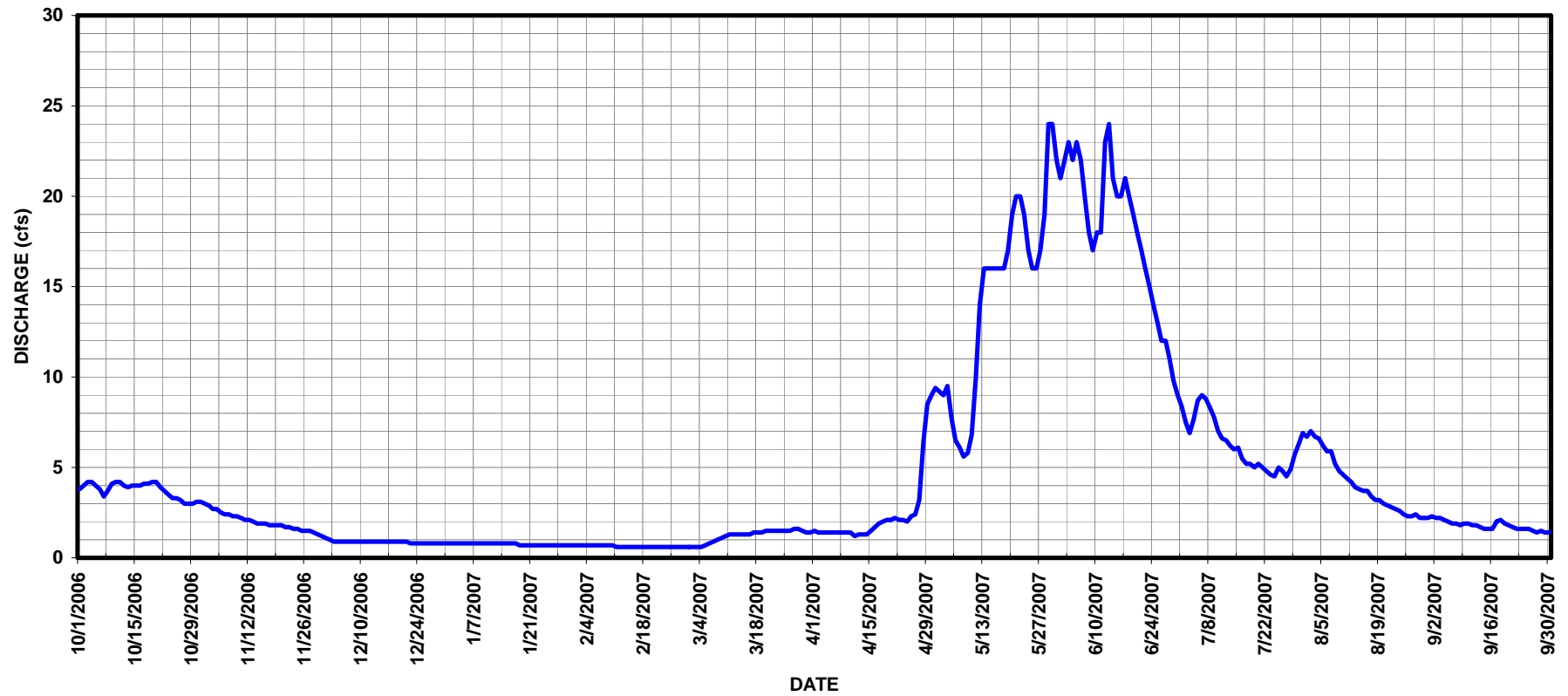
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.0	1.1	.80	.70	.60	1.5	9.4	21	8.4	6.7	2.3
2	4.0	2.9	1.0	.80	.70	.60	1.4	9.2	22	7.5	7.0	2.2
3	4.2	2.7	.90	.80	.70	.60	1.4	9.0	23	6.9	6.7	2.2
4	4.2	2.7	.90	.80	.70	.60	1.4	9.5	22	7.7	6.6	2.1
5	4.0	2.5	.90	.80	.70	.70	1.4	7.7	23	8.7	6.2	2.0
6	3.8	2.4	.90	.80	.70	.80	1.4	6.5	22	9.0	5.9	1.9
7	3.4	2.4	.90	.80	.70	.90	1.4	6.1	20	8.8	5.9	1.9
8	3.7	2.3	.90	.80	.70	1.0	1.4	5.6	18	8.3	5.2	1.8
9	4.1	2.3	.90	.80	.70	1.1	1.4	5.8	17	7.8	4.8	1.9
10	4.2	2.2	.90	.80	.70	1.2	1.4	6.8	18	7.0	4.6	1.9
11	4.2	2.1	.90	.80	.60	1.3	1.2	10	18	6.6	4.4	1.8
12	4.0	2.1	.90	.80	.60	1.3	1.3	14	23	6.5	4.2	1.8
13	3.9	2.0	.90	.80	.60	1.3	1.3	16	24	6.2	3.9	1.7
14	4.0	1.9	.90	.80	.60	1.3	1.3	16	21	6.0	3.8	1.6
15	4.0	1.9	.90	.80	.60	1.3	1.5	16	20	6.1	3.7	1.6
16	4.0	1.9	.90	.80	.60	1.3	1.7	16	20	5.5	3.7	1.6
17	4.1	1.8	.90	.80	.60	1.4	1.9	16	21	5.2	3.4	2.0
18	4.1	1.8	.90	.70	.60	1.4	2.0	16	20	5.2	3.2	2.1
19	4.2	1.8	.90	.70	.60	1.4	2.1	17	19	5.0	3.2	1.9
20	4.2	1.8	.90	.70	.60	1.5	2.1	19	18	5.2	3.0	1.8
21	3.9	1.7	.90	.70	.60	1.5	2.2	20	17	5.0	2.9	1.7
22	3.7	1.7	.80	.70	.60	1.5	2.1	20	16	4.8	2.8	1.6
23	3.5	1.6	.80	.70	.60	1.5	2.1	19	15	4.6	2.7	1.6
24	3.3	1.6	.80	.70	.60	1.5	2.0	17	14	4.5	2.6	1.6
25	3.3	1.5	.80	.70	.60	1.5	2.3	16	13	5.0	2.4	1.6
26	3.2	1.5	.80	.70	.60	1.5	2.4	16	12	4.8	2.3	1.5
27	3.0	1.5	.80	.70	.60	1.6	3.2	17	12	4.5	2.3	1.4
28	3.0	1.4	.80	.70	.60	1.6	6.4	19	11	4.9	2.4	1.5
29	3.0	1.3	.80	.70	---	1.5	8.5	24	9.8	5.7	2.2	1.4
30	3.1	1.2	.80	.70	---	1.4	9.0	24	9.0	6.3	2.2	1.4
31	3.1	---	.80	.70	---	1.4	---	22	---	6.9	2.2	---
TOTAL	116.2	59.5	27.20	23.40	17.80	38.10	70.7	445.6	538.8	194.6	123.1	53.4
MEAN	3.75	1.98	.88	.75	.64	1.23	2.36	14.4	18.0	6.28	3.97	1.78
AC-FT	230	118	54	46	35	76	140	884	1070	386	244	106
MAX	4.2	3.0	1.1	.80	.70	1.6	9.0	24	24	9.0	7.0	2.3
MIN	3.0	1.2	.80	.70	.60	.60	1.2	5.6	9.0	4.5	2.2	1.4
CAL YR	2006	TOTAL	622.64	MEAN	1.71	MAX	6.7	MIN	.3	AC-FT	1240	
WTR YR	2007	TOTAL	1708.4	MEAN	4.68	MAX	24	MIN	.6	AC-FT	3390	

MAX DISCH: 30.1 CFS AT 23:30 ON Jun. 12, 2007 GH 2.66 FT. SHIFT -0.09 FT.
MAX GH: 2.66 FT. AT 23:30 ON Jun. 12, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WILD CHERRY CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
RITO ALTO CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°04'39", long 105°45'43", in SW1/4NE1/4 Sec. 9, T.44 N., R.11 E., NMPM, Saguache Co., on right bank 12 miles SE of Mineral Hot Springs, 7 miles NW of Crestone.

DRAINAGE AREA.--10.3 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 4-foot diameter culvert pipe shelter and well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8380 ft.

REMARKS.--Record is complete and reliable, except for Nov. 29 to Dec. 5, 2006, when the well was frozen; and Dec. 6, 2006 to Mar. 27, 2007, when station was closed for the winter. Stage-discharge relation was affected by ice Nov.12-15, 2006, and Mar.29-31, April 11-14, 2007. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RITCRECO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.4	5.4	3.8	3.6	3.2	3.9	14	58	30	14	9.3
2	15	8.8	5.4	3.8	3.6	3.2	3.9	18	65	29	21	9.4
3	15	8.9	5.6	3.8	3.6	3.2	3.9	18	67	28	17	8.5
4	15	8.8	5.8	3.8	3.8	3.4	3.8	18	56	36	16	8.1
5	14	8.5	6.0	3.8	3.8	3.4	3.9	15	71	43	16	7.8
6	15	8.1	6.2	3.8	3.8	3.6	4.0	12	72	32	15	7.8
7	16	7.9	6.2	3.6	3.8	3.6	4.0	11	48	29	24	7.5
8	16	7.8	6.2	3.6	3.8	3.6	3.9	10	44	29	23	7.4
9	17	7.8	6.2	3.6	4.0	3.6	3.9	9.9	54	26	20	7.2
10	18	7.4	6.2	3.8	4.0	3.6	3.9	11	64	24	18	7.4
11	17	7.1	6.0	3.8	4.0	3.8	3.8	16	72	23	17	7.2
12	16	7.0	5.8	3.8	4.0	3.8	3.6	28	100	21	16	7.1
13	16	7.0	5.8	3.8	4.0	4.0	3.6	45	100	19	15	6.8
14	17	7.0	5.8	3.6	3.8	4.0	3.6	53	84	19	14	6.7
15	19	7.0	6.0	3.4	3.6	4.0	3.6	57	81	18	13	6.6
16	19	7.0	6.0	3.2	3.6	3.8	3.8	55	88	17	14	6.6
17	18	7.0	6.0	3.2	3.6	3.8	3.7	52	93	16	13	8.2
18	17	6.9	6.0	3.2	3.8	4.0	3.7	56	89	15	12	9.0
19	15	6.6	5.8	3.4	3.8	4.0	3.8	59	81	14	12	7.6
20	15	6.5	5.6	3.4	3.8	4.0	4.0	65	74	17	11	6.9
21	14	6.3	5.2	3.6	3.8	4.0	4.2	66	68	15	11	6.8
22	13	6.3	4.8	3.6	3.8	3.8	4.2	57	62	14	10	6.7
23	12	6.1	4.4	3.6	3.6	3.8	4.3	43	56	13	9.7	6.7
24	12	6.0	4.2	3.6	3.6	3.8	4.9	34	50	13	9.6	7.3
25	12	6.0	4.2	3.6	3.6	3.6	5.0	29	47	13	9.0	6.9
26	11	5.8	4.2	3.6	3.4	3.8	4.9	26	45	14	8.5	6.5
27	11	5.6	4.4	3.6	3.4	4.0	5.3	32	44	14	8.5	6.2
28	11	5.6	4.4	3.6	3.2	4.2	7.1	49	39	14	9.0	6.3
29	11	5.6	4.4	3.6	---	4.0	9.4	62	35	15	8.5	6.7
30	11	5.6	4.4	3.6	---	3.8	12	58	32	15	8.4	6.3
31	10	---	4.0	3.6	---	3.8	---	56	---	16	8.1	---
TOTAL	453	211.4	166.6	111.8	104.2	116.2	137.6	1134.9	1939	641	421.3	219.5
MEAN	14.6	7.05	5.37	3.61	3.72	3.75	4.59	36.6	64.6	20.7	13.6	7.32
AC-FT	899	419	330	222	207	230	273	2250	3850	1270	836	435
MAX	19	9.4	6.2	3.8	4.0	4.2	12	66	100	43	24	9.4
MIN	10	5.6	4.0	3.2	3.2	3.2	3.6	9.9	32	13	8.1	6.2

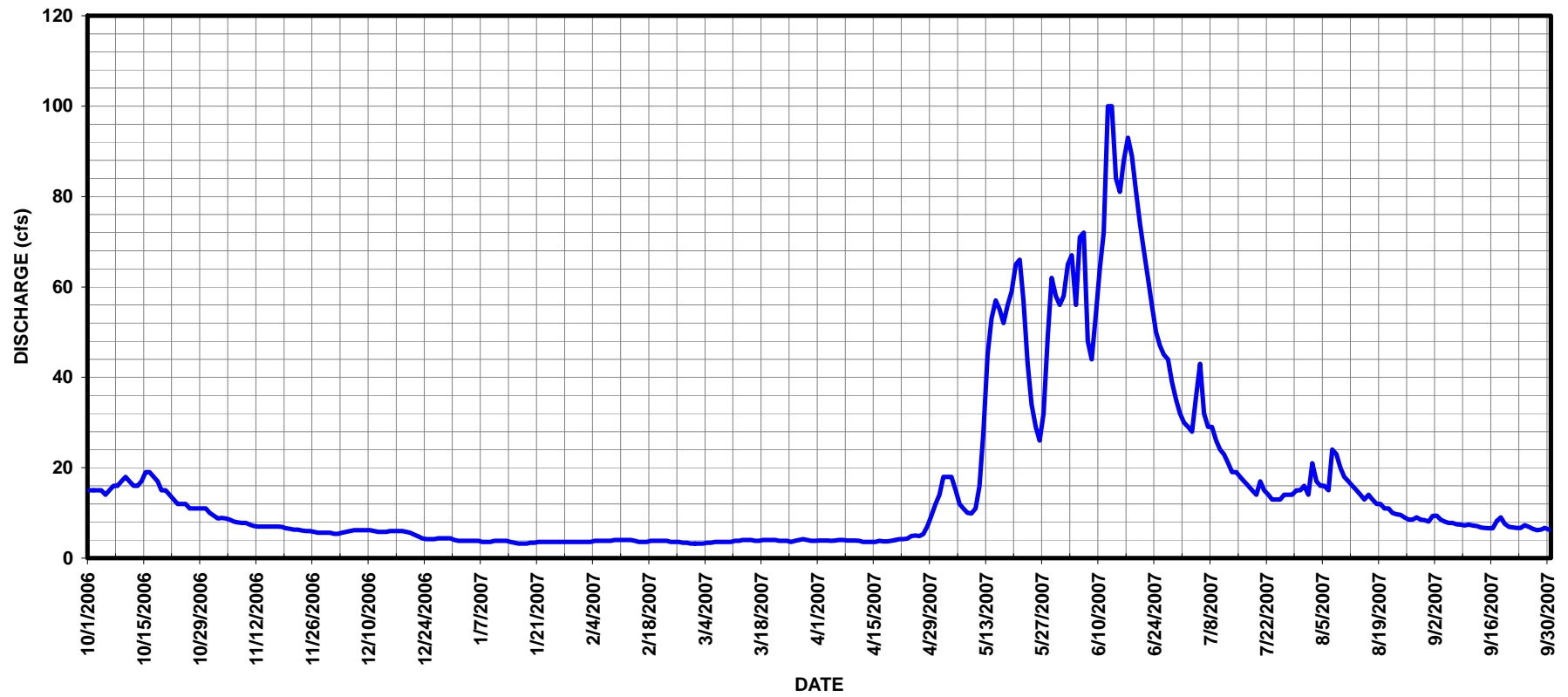
CAL YR	2006	TOTAL	3307.8	MEAN	9.06	MAX	41	MIN	2.1	AC-FT	6560
WTR YR	2007	TOTAL	5656.5	MEAN	15.5	MAX	100	MIN	3.2	AC-FT	11220

MAX DISCH: 114 CFS AT 02:15 ON Jun. 13, 2007 GH 2.92 FT. SHIFT 0.06 FT.

MAX GH: 2.92 FT. AT 02:15 ON Jun. 13, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

RITO ALTO CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
SAN ISABEL CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°02'03", long 105°43'03", in SW1/4,NW1/4, sec. 25, T.44 N., R.11 E., NMPM, Saguache Co., on left bank 3 miles NW of Crestone.

DRAINAGE AREA.--5.7 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 4-foot diameter culvert shelter and well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8200 ft.

REMARKS.--Record is complete and reliable, except for November 13, 2006 through March 26, 2007, when station was closed for winter, and March 29, April 11 and 14, 2007, when the stage-discharge relationship was affected by ice. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANCRECO03 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

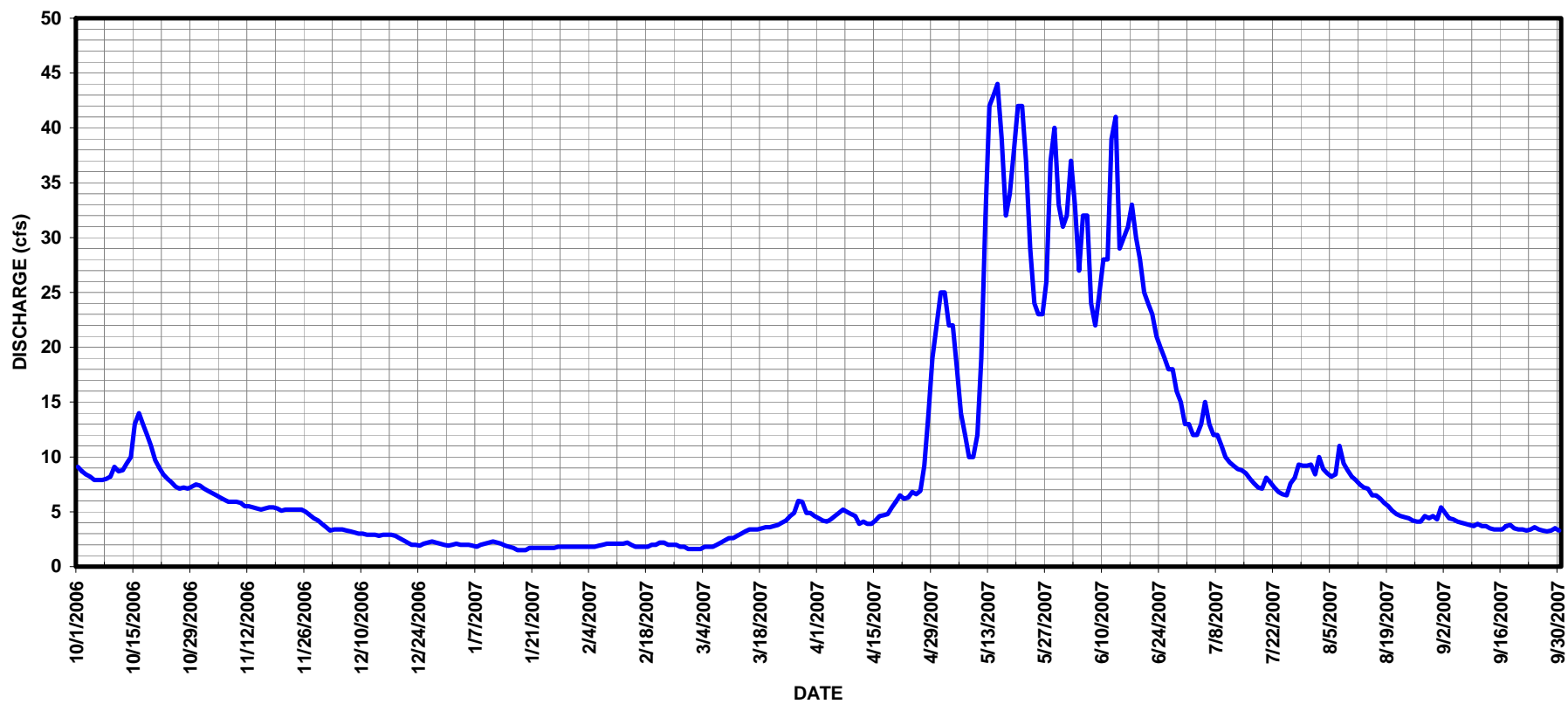
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	7.1	3.6	2.0	1.8	1.6	4.4	25	32	13	8.4	5.4
2	8.7	6.9	3.3	2.1	1.8	1.6	4.2	25	37	12	10	4.9
3	8.4	6.7	3.4	2.0	1.8	1.6	4.1	22	33	12	8.9	4.4
4	8.2	6.5	3.4	2.0	1.8	1.8	4.3	22	27	13	8.5	4.3
5	7.9	6.3	3.4	2.0	1.8	1.8	4.6	18	32	15	8.2	4.1
6	7.9	6.1	3.3	1.9	1.9	1.8	4.9	14	32	13	8.4	4.0
7	7.9	5.9	3.2	1.8	2.0	2.0	5.2	12	24	12	11	3.9
8	8.0	5.9	3.1	2.0	2.1	2.2	5.0	10	22	12	9.4	3.8
9	8.2	5.9	3.0	2.1	2.1	2.4	4.8	10	25	11	8.8	3.7
10	9.1	5.8	3.0	2.2	2.1	2.6	4.6	12	28	10	8.2	3.9
11	8.7	5.5	2.9	2.3	2.1	2.6	3.9	19	28	9.5	7.9	3.7
12	8.8	5.5	2.9	2.2	2.1	2.8	4.1	32	39	9.2	7.5	3.7
13	9.4	5.4	2.9	2.1	2.2	3.0	3.9	42	41	8.9	7.2	3.5
14	10	5.3	2.8	1.9	2.0	3.2	3.9	43	29	8.8	7.1	3.4
15	13	5.2	2.9	1.8	1.8	3.4	4.2	44	30	8.5	6.5	3.4
16	14	5.3	2.9	1.7	1.8	3.4	4.6	39	31	8.0	6.5	3.4
17	13	5.4	2.9	1.5	1.8	3.4	4.7	32	33	7.6	6.2	3.7
18	12	5.4	2.8	1.5	1.8	3.5	4.8	34	30	7.2	5.8	3.8
19	11	5.3	2.6	1.5	2.0	3.6	5.4	38	28	7.1	5.5	3.5
20	9.7	5.1	2.4	1.7	2.0	3.6	5.9	42	25	8.1	5.1	3.4
21	9.0	5.2	2.2	1.7	2.2	3.7	6.5	42	24	7.7	4.8	3.4
22	8.4	5.2	2.0	1.7	2.2	3.8	6.2	37	23	7.2	4.6	3.3
23	8.0	5.2	2.0	1.7	2.0	4.0	6.3	29	21	6.8	4.5	3.4
24	7.7	5.2	1.9	1.7	2.0	4.2	6.8	24	20	6.6	4.4	3.6
25	7.3	5.2	2.1	1.7	2.0	4.6	6.6	23	19	6.5	4.2	3.4
26	7.1	5.0	2.2	1.7	1.8	4.9	6.9	23	18	7.6	4.1	3.3
27	7.2	4.7	2.3	1.8	1.8	6.0	9.2	26	18	8.1	4.1	3.2
28	7.1	4.4	2.2	1.8	1.6	5.9	14	37	16	9.3	4.6	3.3
29	7.3	4.2	2.1	1.8	---	4.9	19	40	15	9.2	4.4	3.5
30	7.5	3.9	2.0	1.8	---	4.9	22	33	13	9.2	4.6	3.3
31	7.4	---	1.9	1.8	---	4.6	---	31	---	9.3	4.3	---
TOTAL	277.0	164.7	83.6	57.5	54.4	103.4	195.0	880	793	293.4	203.7	111.6
MEAN	8.94	5.49	2.70	1.85	1.94	3.34	6.50	28.4	26.4	9.46	6.57	3.72
AC-FT	549	327	166	114	108	205	387	1750	1570	582	404	221
MAX	14	7.1	3.6	2.3	2.2	6.0	22	44	41	15	11	5.4
MIN	7.1	3.9	1.9	1.5	1.6	1.6	3.9	10	13	6.5	4.1	3.2

CAL YR	2006	TOTAL	1636	MEAN	4.48	MAX	16	MIN	1.2	AC-FT	3250
WTR YR	2007	TOTAL	3217.3	MEAN	8.81	MAX	44	MIN	1.5	AC-FT	6380

MAX DISCH: 55.8 CFS AT 19:15 ON May. 14, 2007 GH 4.5 FT. SHIFT -0.01 FT.
MAX GH: 4.5 FT. AT 19:15 ON May. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SAN ISABEL CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

LOCATION.--Lat 38°09'48", long 106°17'24", in SE4SE4 sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

PERIOD OF RECORD AND DRAINAGE AREA.--595 mi². Aug. 1910-Sept. 1912, Jun. 1914 to current year. Monthly discharge only for some periods. Water-quality data available, Apr. 1993-Sep. 1995.

GAGE.--Graphic water-stage recorder, shaft encoder, and Sutron satellite monitoring equipment including an air temperature sensor and a tipping bucket rain gage in a metal pipe shelter and well. Datum of gage is approximately 8,030 ft. (from topographic map).

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice Nov. 22, 2006 through Mar. 11, 2007. Record is good, except for periods of ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SAGSAGCO16 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

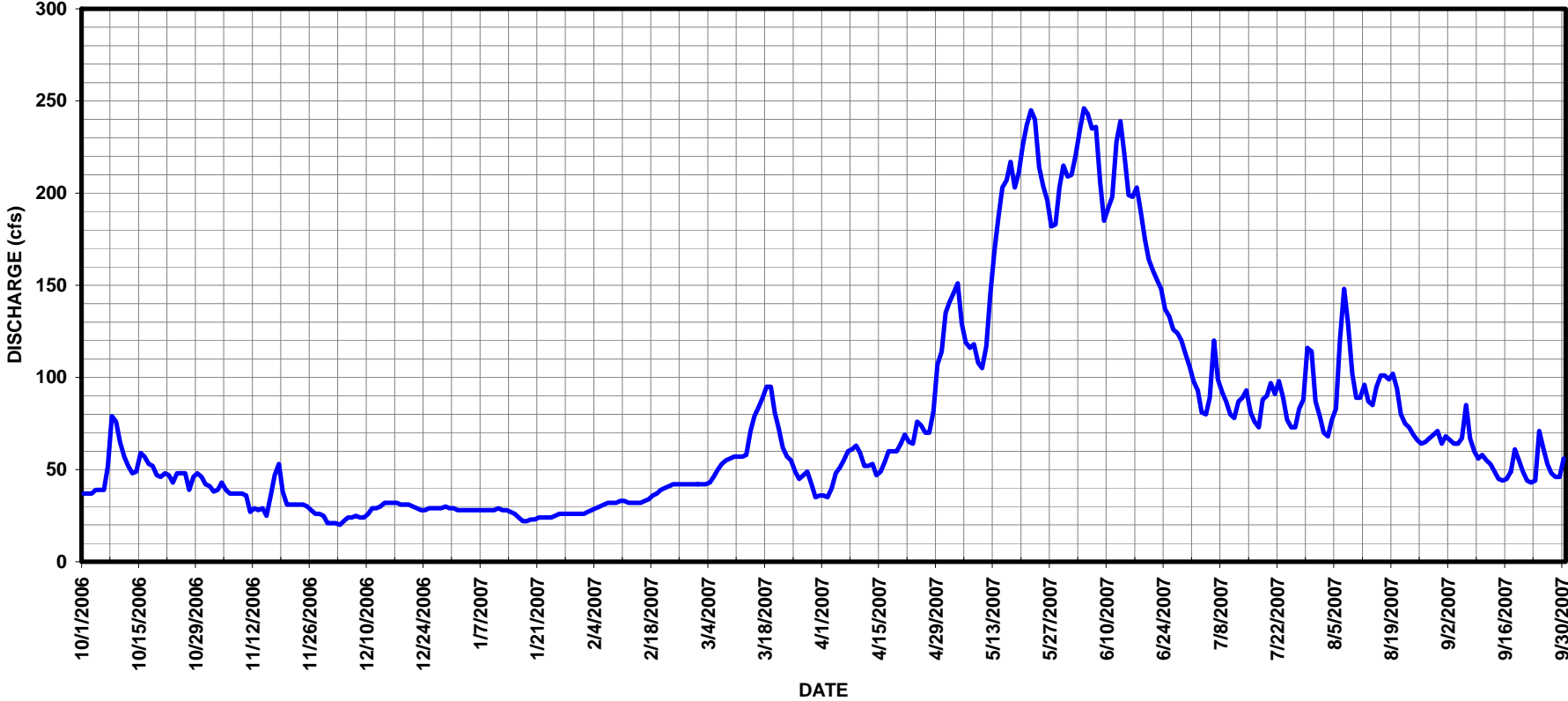
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	41	21	28	26	42	36	135	210	98	79	68
2	37	38	21	28	27	42	35	141	221	93	70	66
3	37	39	20	28	28	42	40	146	234	81	68	64
4	39	43	22	28	29	43	48	151	246	80	77	64
5	39	39	24	28	30	46	51	129	243	89	83	67
6	39	37	24	28	31	50	55	119	235	120	120	85
7	52	37	25	28	32	53	60	116	236	99	148	67
8	79	37	24	28	32	55	61	118	206	92	129	60
9	76	37	24	28	32	56	63	108	185	87	102	56
10	65	36	26	28	33	57	59	105	192	80	89	58
11	57	27	29	29	33	57	52	117	198	78	89	55
12	52	29	29	28	32	57	52	145	228	87	96	53
13	48	28	30	28	32	58	53	169	239	89	87	49
14	49	29	32	27	32	71	47	187	221	93	85	45
15	59	25	32	26	32	79	49	203	199	81	95	44
16	57	36	32	24	33	84	54	207	198	76	101	45
17	53	47	32	22	34	89	60	217	203	73	101	49
18	52	53	31	22	36	95	60	203	190	88	99	61
19	47	38	31	23	37	95	60	211	175	90	102	55
20	46	31	31	23	39	81	64	226	164	97	94	49
21	48	31	30	24	40	72	69	237	158	91	80	44
22	47	31	29	24	41	62	65	245	153	98	75	43
23	43	31	28	24	42	57	64	240	148	89	73	44
24	48	31	28	24	42	55	76	214	137	77	69	71
25	48	30	29	25	42	49	74	204	133	73	66	62
26	48	28	29	26	42	45	70	196	126	73	64	53
27	39	26	29	26	42	47	70	182	124	83	65	48
28	46	26	29	26	42	49	82	183	120	88	67	46
29	48	25	30	26	---	42	107	203	113	116	69	46
30	46	21	29	26	---	35	114	215	106	114	71	56
31	42	---	29	26	---	36	---	209	---	87	64	---
TOTAL	1523	1007	859	809	973	1801	1850	5481	5541	2760	2677	1673
MEAN	49.1	33.6	27.7	26.1	34.7	58.1	61.7	177	185	89.0	86.4	55.8
AC-FT	3020	2000	1700	1600	1930	3570	3670	10870	10990	5470	5310	3320
MAX	79	53	32	29	42	95	114	245	246	120	148	85
MIN	37	21	20	22	26	35	35	105	106	73	64	43

CAL YR	2006	TOTAL	16394	MEAN	44.9	MAX	126	MIN	17	AC-FT	32520
WTR YR	2007	TOTAL	26954	MEAN	73.8	MAX	246	MIN	20	AC-FT	53460

MAX DISCH: 250 CFS AT 11:00 ON Jun. 4, 2007 GH 2.83 FT. SHIFT 0.02 FT.
MAX GH: 2.83 FT. AT 11:00 ON Jun. 4, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08227000 SAGUACHE CREEK NEAR SAGUACHE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

DRAINAGE AREA.--10.7 mi².

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 48-inch corrugated metal shelter and 36 inch concrete well. A graphic water-stage recorder is operated as a data backup. Altitude of gage is 8,360 ft from topographic map.

REMARKS.--Record is complete and reliable, except for November 13, 2006 through March 26, 2007, when the station was closed for the winter; and April 14, 2007, when floats were affected by ice in well. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NOCRES011 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

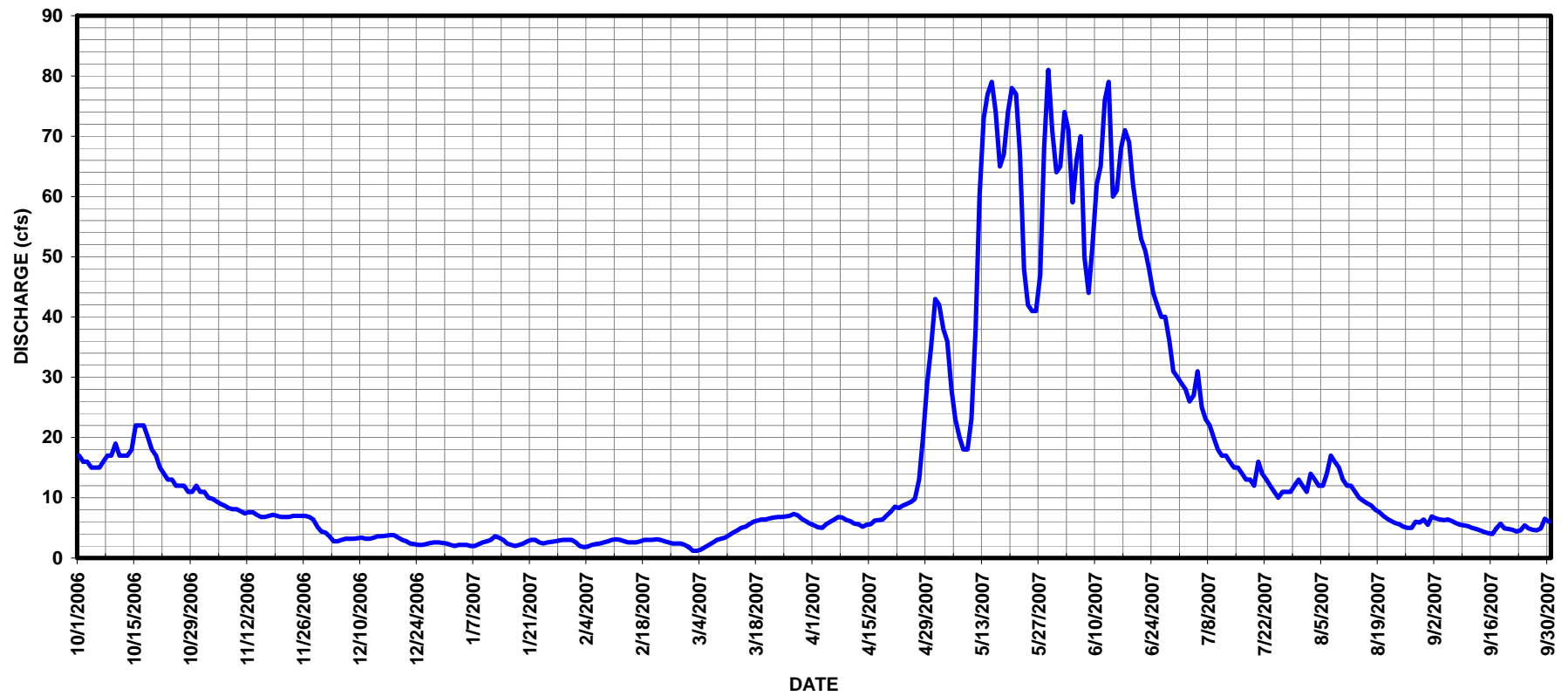
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	11	4.2	2.2	2.6	1.8	5.4	43	65	29	11	6.9
2	16	10	3.6	2.0	2.0	1.2	5.1	42	74	28	14	6.6
3	16	9.8	2.8	2.2	1.8	1.2	5.0	38	71	26	13	6.4
4	15	9.4	2.8	2.2	1.9	1.4	5.6	36	59	27	12	6.3
5	15	9.0	3.0	2.2	2.2	1.8	6.0	28	66	31	12	6.4
6	15	8.7	3.2	2.0	2.3	2.2	6.4	23	70	25	14	6.1
7	16	8.3	3.2	2.0	2.4	2.6	6.8	20	50	23	17	5.8
8	17	8.1	3.2	2.3	2.6	3.0	6.7	18	44	22	16	5.5
9	17	8.1	3.3	2.6	2.8	3.2	6.3	18	52	20	15	5.4
10	19	7.8	3.4	2.8	3.0	3.4	6.1	23	62	18	13	5.3
11	17	7.4	3.2	3.0	3.1	3.8	5.7	38	65	17	12	5.0
12	17	7.6	3.2	3.6	3.0	4.2	5.6	60	76	17	12	4.8
13	17	7.6	3.4	3.4	2.8	4.6	5.2	73	79	16	11	4.6
14	18	7.2	3.6	3.0	2.6	5.0	5.5	77	60	15	10	4.3
15	22	6.8	3.6	2.4	2.6	5.2	5.6	79	61	15	9.5	4.1
16	22	6.8	3.7	2.2	2.6	5.6	6.2	74	68	14	9.1	4.0
17	22	7.0	3.8	2.0	2.8	6.0	6.3	65	71	13	8.7	4.9
18	20	7.2	3.8	2.2	3.0	6.2	6.4	67	69	13	8.0	5.7
19	18	7.0	3.4	2.4	3.0	6.4	7.1	74	62	12	7.6	4.9
20	17	6.8	3.0	2.8	3.0	6.4	7.7	78	57	16	7.0	4.8
21	15	6.8	2.8	3.0	3.1	6.6	8.5	77	53	14	6.5	4.7
22	14	6.8	2.4	3.0	3.0	6.7	8.3	67	51	13	6.1	4.4
23	13	7.0	2.3	2.6	2.8	6.8	8.7	48	48	12	5.8	4.6
24	13	7.0	2.2	2.4	2.6	6.8	9.0	42	44	11	5.6	5.4
25	12	7.0	2.2	2.6	2.4	6.9	9.3	41	42	10	5.2	4.9
26	12	7.0	2.3	2.7	2.4	7.0	9.8	41	40	11	5.0	4.7
27	12	6.8	2.5	2.8	2.4	7.3	13	47	40	11	5.0	4.6
28	11	6.4	2.6	2.9	2.2	7.1	20	68	36	11	6.0	4.9
29	11	5.2	2.6	3.0	---	6.5	29	81	31	12	5.9	6.5
30	12	4.4	2.5	3.0	---	6.1	35	71	30	13	6.4	6.0
31	11	---	2.4	3.0	---	5.7	---	64	---	12	5.5	---
TOTAL	489	226.0	94.2	80.5	73.0	148.7	271.3	1621	1696	527	294.9	158.5
MEAN	15.8	7.53	3.04	2.60	2.61	4.80	9.04	52.3	56.5	17.0	9.51	5.28
AC-FT	970	448	187	160	145	295	538	3220	3360	1050	585	314
MAX	22	11	4.2	3.6	3.1	7.3	35	81	79	31	17	6.9
MIN	11	4.4	2.2	2.0	1.8	1.2	5.0	18	30	10	5.0	4.0

CAL YR	2006	TOTAL	3196.0	MEAN	8.76	MAX	43	MIN	1.2	AC-FT	6340
WTR YR	2007	TOTAL	5680.1	MEAN	15.6	MAX	81	MIN	1.2	AC-FT	11270

MAX DISCH: 94.2 CFS AT 19:30 ON May. 14, 2007 GH 1.92 FT. SHIFT -0.02 FT.
MAX GH: 1.92 FT. AT 19:30 ON May. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08227500 NORTH CRESTONE CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SOUTH CRESTONE CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°58'55", long 105°42'41", in NE1/4SW1/4 Sec. 12, T.43 N., R.11 E., NMPM, Saguache Co., on right bank, 1 mile SE of Crestone.

DRAINAGE AREA.--4.6 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a two-foot diameter corrugated culvert pipe stilling well with small steel shelter on top. A 1-inch intake pipe attaches well to a 2.5 foot Parshall flume. Elevation of gage is 7740 ft.

REMARKS.--Record is complete and reliable, except for Nov. 30 through Dec. 12, 2006, and April 11, 14, 2007, when the well was frozen; and Dec. 13, 2006 through March 26, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice November 14-16, 2006. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOUCRECO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

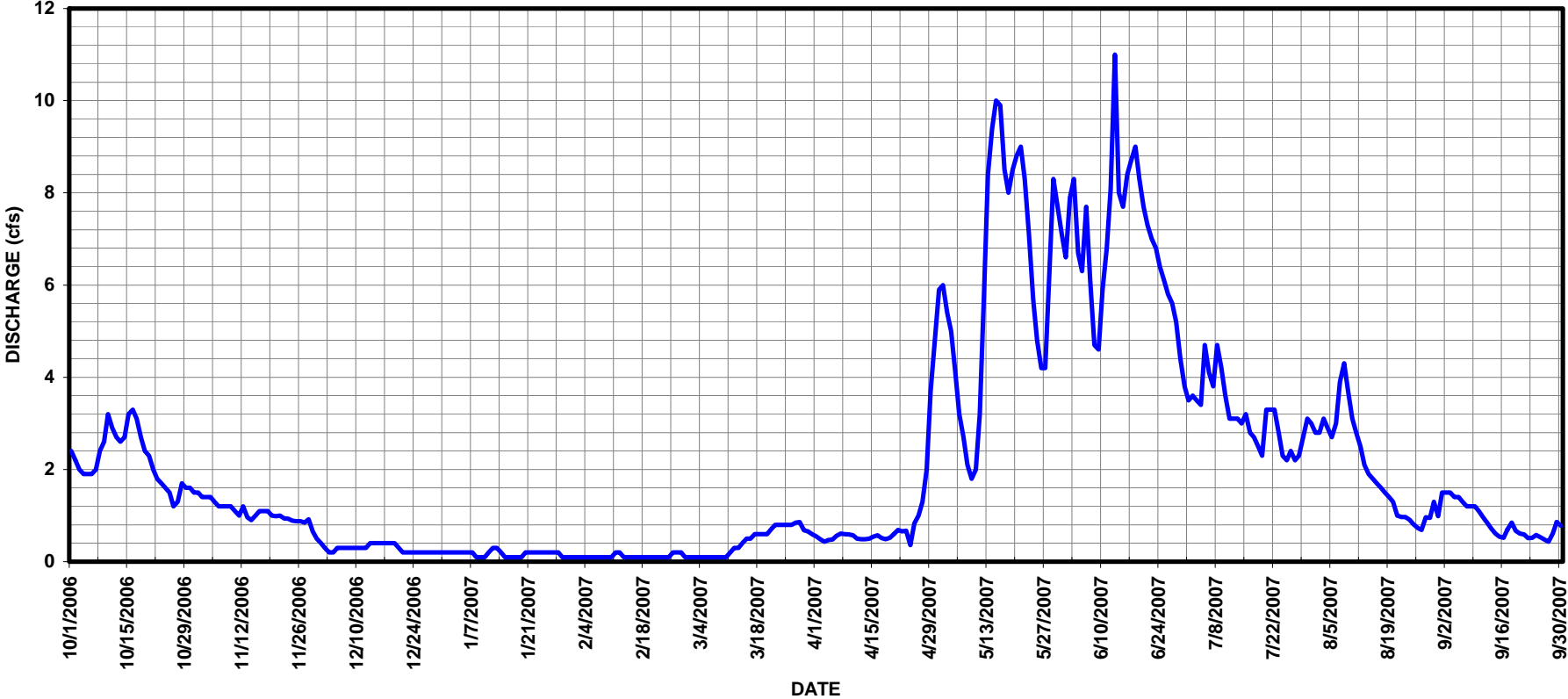
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	1.5	.40	.20	.10	.10	.55	5.9	6.6	3.5	2.8	1.5
2	2.2	1.4	.30	.20	.10	.10	.49	6.0	7.9	3.6	2.8	1.5
3	2.0	1.4	.20	.20	.10	.10	.43	5.4	8.3	3.5	3.1	1.5
4	1.9	1.4	.20	.20	.10	.10	.47	5.0	6.7	3.4	2.9	1.4
5	1.9	1.3	.30	.20	.10	.10	.48	4.1	6.3	4.7	2.7	1.4
6	1.9	1.2	.30	.20	.10	.10	.56	3.2	7.7	4.1	3.0	1.3
7	2.0	1.2	.30	.20	.10	.10	.61	2.7	6.1	3.8	3.9	1.2
8	2.4	1.2	.30	.10	.10	.10	.60	2.1	4.7	4.7	4.3	1.2
9	2.6	1.2	.30	.10	.10	.10	.59	1.8	4.6	4.2	3.7	1.2
10	3.2	1.1	.30	.10	.10	.10	.57	2.0	5.9	3.6	3.1	1.1
11	2.9	1.0	.30	.20	.20	.20	.50	3.2	6.8	3.1	2.8	.96
12	2.7	1.2	.30	.30	.20	.30	.49	5.8	8.1	3.1	2.5	.84
13	2.6	.96	.40	.30	.10	.30	.49	8.4	11	3.1	2.1	.72
14	2.7	.90	.40	.20	.10	.40	.50	9.4	8.0	3.0	1.9	.61
15	3.2	1.0	.40	.10	.10	.50	.54	10	7.7	3.2	1.8	.54
16	3.3	1.1	.40	.10	.10	.50	.57	9.9	8.4	2.8	1.7	.52
17	3.1	1.1	.40	.10	.10	.60	.51	8.5	8.7	2.7	1.6	.70
18	2.7	1.1	.40	.10	.10	.60	.49	8.0	9.0	2.5	1.5	.85
19	2.4	1.0	.40	.10	.10	.60	.52	8.5	8.3	2.3	1.4	.67
20	2.3	.99	.30	.20	.10	.60	.60	8.8	7.7	3.3	1.3	.61
21	2.0	1.0	.20	.20	.10	.70	.69	9.0	7.3	3.3	1.0	.59
22	1.8	.94	.20	.20	.10	.80	.66	8.3	7.0	3.3	.97	.51
23	1.7	.93	.20	.20	.10	.80	.67	7.1	6.8	2.8	.97	.52
24	1.6	.89	.20	.20	.10	.80	.36	5.7	6.4	2.3	.91	.58
25	1.5	.88	.20	.20	.20	.80	.83	4.8	6.1	2.2	.81	.53
26	1.2	.88	.20	.20	.20	.80	1.0	4.2	5.8	2.4	.73	.48
27	1.3	.85	.20	.20	.20	.85	1.3	4.2	5.6	2.2	.69	.43
28	1.7	.92	.20	.20	.10	.86	2.0	6.3	5.2	2.3	.96	.61
29	1.6	.65	.20	.10	---	.68	3.7	8.3	4.4	2.7	.95	.86
30	1.6	.50	.20	.10	---	.66	4.8	7.7	3.8	3.1	1.3	.78
31	1.5	---	.20	.10	---	.60	---	7.1	---	3.0	.99	---
TOTAL	67.9	31.69	8.80	5.30	3.30	13.95	26.57	191.4	206.9	97.8	61.18	26.21
MEAN	2.19	1.06	.28	.17	.12	.45	.89	6.17	6.90	3.15	1.97	.87
AC-FT	135	63	17	11	6.5	28	53	380	410	194	121	52
MAX	3.3	1.5	.40	.30	.20	.86	4.8	10	11	4.7	4.3	1.5
MIN	1.2	.50	.20	.10	.10	.10	.36	1.8	3.8	2.2	.69	.43
CAL YR 2006	TOTAL	409.02	MEAN	1.12	MAX	13	MIN	0	AC-FT	811		
WTR YR 2007	TOTAL	741	MEAN	2.03	MAX	11	MIN	.1	AC-FT	1470		

MAX DISCH: 12.3 CFS AT 01:45 ON Jun. 13, 2007 GH 1.17 FT. SHIFT -0.03 FT.

MAX GH: 1.17 FT. AT 01:45 ON Jun. 13, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SOUTH CRESTONE CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

WILLOW CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°57'29", long 105°41'59", in SE1/4NW1/4 Sec. 20, T.43 N., R.12 E., NMPM, Saguache Co. on right bank, 2 miles SE of Crestone.

DRAINAGE AREA.--8.0 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 2-foot diameter steel culvert well and steel box shelter. Elevation of gage is 7740 ft.

REMARKS.--Record is complete and reliable, except for Nov. 14, 2006 through Mar. 26, 2007, when the station was closed for the winter; Oct.1-3, 2006, when there was missing satellite data; May 28 through June 19, July 4 - 19, Aug.7 - 22, 2007, when the inlets were plugged and the well was isolated from the stream. Due to fair rating curve, the record is fair, except for periods of no gage-height, which are poor. Peak discharge and gage height were both estimated and are considered poor due to the fact that the inlets were plugged for part of the day that the maximum gage height and maximum flow are believed to have occurred. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WILCRECO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

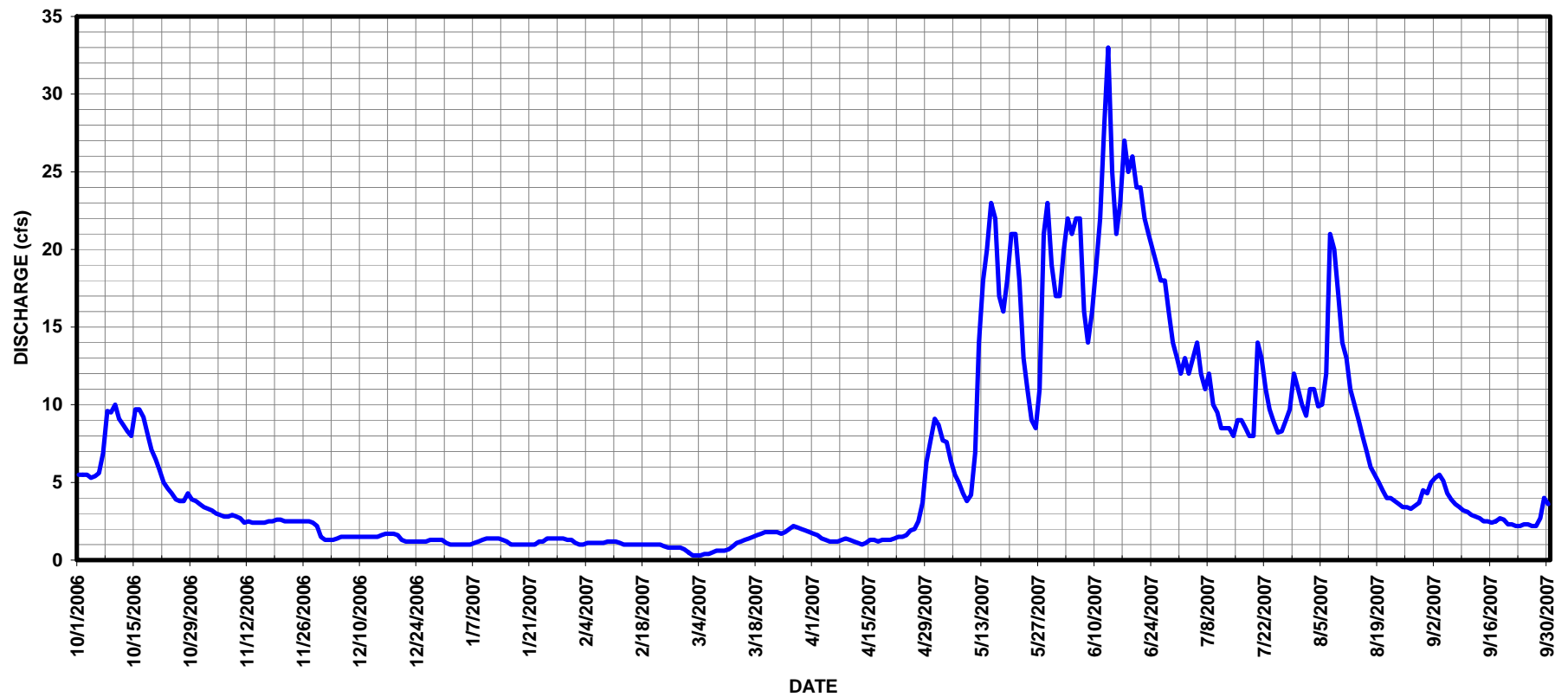
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	3.4	1.3	1.0	1.1	.50	1.7	9.1	17	12	9.3	5.0
2	5.5	3.3	1.3	1.0	1.0	.30	1.6	8.7	20	13	11	5.3
3	5.5	3.2	1.3	1.0	1.0	.30	1.4	7.7	22	12	11	5.5
4	5.3	3.0	1.4	1.0	1.1	.30	1.3	7.6	21	13	9.9	5.1
5	5.4	2.9	1.5	1.0	1.1	.40	1.2	6.4	22	14	10	4.3
6	5.6	2.8	1.5	1.0	1.1	.40	1.2	5.5	22	12	12	3.9
7	6.9	2.8	1.5	1.1	1.1	.50	1.2	5.0	16	11	21	3.6
8	9.6	2.9	1.5	1.2	1.1	.60	1.3	4.3	14	12	20	3.4
9	9.5	2.8	1.5	1.3	1.2	.60	1.4	3.8	16	10	17	3.2
10	10	2.7	1.5	1.4	1.2	.60	1.3	4.2	19	9.5	14	3.1
11	9.1	2.4	1.5	1.4	1.2	.70	1.2	6.9	22	8.5	13	2.9
12	8.7	2.5	1.5	1.4	1.1	.90	1.1	14	28	8.5	11	2.8
13	8.3	2.4	1.5	1.4	1.0	1.1	1.0	18	33	8.5	10	2.7
14	8.0	2.4	1.5	1.3	1.0	1.2	1.1	20	25	8.0	9.0	2.5
15	9.7	2.4	1.6	1.2	1.0	1.3	1.3	23	21	9.0	8.0	2.5
16	9.7	2.4	1.7	1.0	1.0	1.4	1.3	22	23	9.0	7.0	2.4
17	9.2	2.5	1.7	1.0	1.0	1.5	1.2	17	27	8.5	6.0	2.5
18	8.1	2.5	1.7	1.0	1.0	1.6	1.3	16	25	8.0	5.5	2.7
19	7.1	2.6	1.6	1.0	1.0	1.7	1.3	18	26	8.0	5.0	2.6
20	6.5	2.6	1.3	1.0	1.0	1.8	1.3	21	24	14	4.5	2.3
21	5.8	2.5	1.2	1.0	1.0	1.8	1.4	21	24	13	4.0	2.3
22	5.0	2.5	1.2	1.0	1.0	1.8	1.5	18	22	11	4.0	2.2
23	4.6	2.5	1.2	1.2	.90	1.8	1.5	13	21	9.7	3.8	2.2
24	4.3	2.5	1.2	1.2	.80	1.7	1.6	11	20	8.9	3.6	2.3
25	3.9	2.5	1.2	1.4	.80	1.8	1.9	9.0	19	8.2	3.4	2.3
26	3.8	2.5	1.2	1.4	.80	2.0	2.0	8.5	18	8.3	3.4	2.2
27	3.8	2.5	1.3	1.4	.80	2.2	2.5	11	18	9.0	3.3	2.2
28	4.3	2.4	1.3	1.4	.70	2.1	3.7	21	16	9.7	3.5	2.7
29	3.9	2.2	1.3	1.4	---	2.0	6.3	23	14	12	3.7	4.0
30	3.8	1.5	1.3	1.3	---	1.9	7.7	19	13	11	4.5	3.6
31	3.6	---	1.1	1.3	---	1.8	---	17	---	10	4.3	---
TOTAL	200.0	78.1	43.4	36.7	28.10	38.60	55.8	409.7	628	319.3	255.7	94.3
MEAN	6.45	2.60	1.40	1.18	1.00	1.25	1.86	13.2	20.9	10.3	8.25	3.14
AC-FT	397	155	86	73	56	77	111	813	1250	633	507	187
MAX	10	3.4	1.7	1.4	1.2	2.2	7.7	23	33	14	21	5.5
MIN	3.6	1.5	1.1	1.0	.70	.30	1.0	3.8	13	8.0	3.3	2.2

CAL YR 2006 TOTAL 1459.04 MEAN 4.00 MAX 76 MIN .38 AC-FT 2890
WTR YR 2007 TOTAL 2187.7 MEAN 5.99 MAX 33 MIN .30 AC-FT 4340

MAX DISCH: 44.6 CFS AT 01:00 ON Jun. 13, 2007 GH 3.38 FT. SHIFT -0.19 FT. (Estimated)
MAX GH: 3.38 FT. AT 02:45 ON May. 29, 2007 (Estimated)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WILLOW CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
SPANISH CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°57'10", long 105°39'42", in NE1/4SW1/4 Sec. 21, T.43 N., R.12 E., NMPM, Saguache Co., on left bank, 3 ½ miles SE of Crestone.

DRAINAGE AREA.--2.4 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 2-foot culvert pipe well and small steel box shelter. Elevation of gage is 8240 ft.

REMARKS.--Record is complete and reliable, except for Nov. 14, 2006 through March 26, 2007, when the station was closed for the winter; and April 21, 2007, when satellite data failed to transmit for four hours. Record is fair, except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SPACRECO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

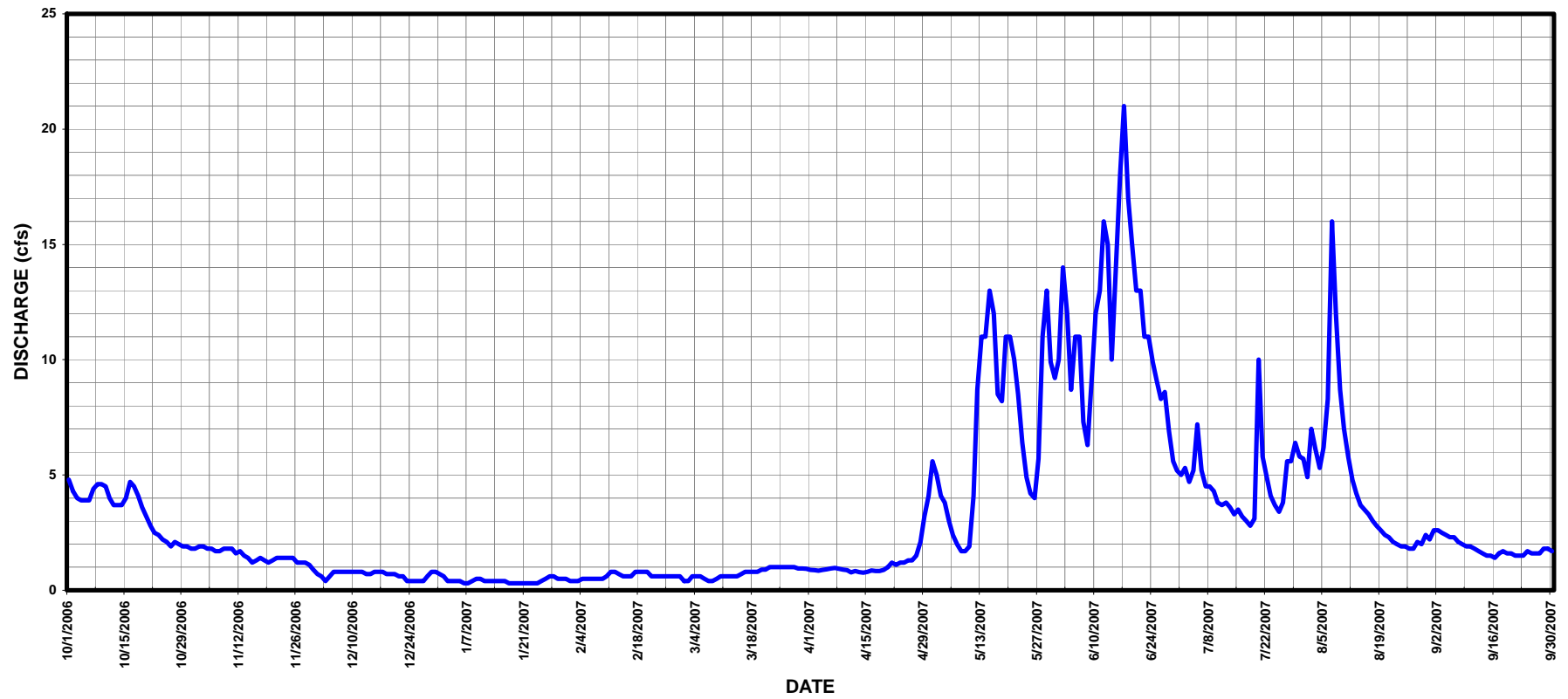
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	1.8	.70	.60	.40	.40	.88	5.6	10	5.0	4.9	2.6
2	4.3	1.9	.60	.40	.40	.40	.87	5.0	14	5.3	7.0	2.6
3	4.0	1.9	.40	.40	.40	.60	.85	4.1	12	4.7	6.1	2.5
4	3.9	1.8	.60	.40	.50	.60	.89	3.8	8.7	5.2	5.3	2.4
5	3.9	1.8	.80	.40	.50	.60	.91	3.0	11	7.2	6.2	2.3
6	3.9	1.7	.80	.30	.50	.50	.95	2.4	11	5.2	8.3	2.3
7	4.4	1.7	.80	.30	.50	.40	.97	2.0	7.3	4.5	16	2.1
8	4.6	1.8	.80	.40	.50	.40	.93	1.7	6.3	4.5	12	2.0
9	4.6	1.8	.80	.50	.50	.50	.90	1.7	9.0	4.3	8.7	1.9
10	4.5	1.8	.80	.50	.60	.60	.87	1.9	12	3.8	7.0	1.9
11	4.0	1.6	.80	.40	.80	.60	.78	4.1	13	3.7	5.8	1.8
12	3.7	1.7	.80	.40	.80	.60	.83	8.7	16	3.8	4.8	1.7
13	3.7	1.5	.70	.40	.70	.60	.79	11	15	3.6	4.2	1.6
14	3.7	1.4	.70	.40	.60	.60	.76	11	10	3.3	3.7	1.5
15	4.0	1.2	.80	.40	.60	.70	.80	13	14	3.5	3.5	1.5
16	4.7	1.3	.80	.40	.60	.80	.86	12	18	3.2	3.3	1.4
17	4.5	1.4	.80	.30	.80	.80	.83	8.5	21	3.0	3.0	1.6
18	4.1	1.3	.70	.30	.80	.80	.83	8.2	17	2.8	2.8	1.7
19	3.6	1.2	.70	.30	.80	.80	.88	11	15	3.1	2.6	1.6
20	3.2	1.3	.70	.30	.80	.90	1.0	11	13	10	2.4	1.6
21	2.8	1.4	.60	.30	.60	.90	1.2	10	13	5.8	2.3	1.5
22	2.5	1.4	.60	.30	.60	1.0	1.1	8.5	11	4.9	2.1	1.5
23	2.4	1.4	.40	.30	.60	1.0	1.2	6.4	11	4.1	2.0	1.5
24	2.2	1.4	.40	.30	.60	1.0	1.2	4.9	9.9	3.7	1.9	1.7
25	2.1	1.4	.40	.40	.60	1.0	1.3	4.2	9.1	3.4	1.9	1.6
26	1.9	1.2	.40	.50	.60	1.0	1.3	4.0	8.3	3.8	1.8	1.6
27	2.1	1.2	.40	.60	.60	1.0	1.5	5.7	8.6	5.6	1.8	1.6
28	2.0	1.2	.60	.60	.60	1.0	2.1	11	6.9	5.6	2.1	1.8
29	1.9	1.1	.80	.50	---	.94	3.2	13	5.6	6.4	2.0	1.8
30	1.9	.90	.80	.50	---	.94	4.1	9.9	5.2	5.8	2.4	1.7
31	1.8	---	.70	.50	---	.93	---	9.2	---	5.7	2.2	---
TOTAL	105.7	44.50	20.70	12.60	16.90	22.91	35.58	216.5	341.9	144.5	140.1	54.9
MEAN	3.41	1.48	.67	.41	.60	.74	1.19	6.98	11.4	4.66	4.52	1.83
AC-FT	210	88	41	25	34	45	71	429	678	287	278	109
MAX	4.8	1.9	.80	.60	.80	1.0	4.1	13	21	10	16	2.6
MIN	1.8	.90	.40	.30	.40	.40	.76	1.7	5.2	2.8	1.8	1.4

CAL YR	2006	TOTAL	765.26	MEAN	2.10	MAX	20	MIN	.20	AC-FT	1520
WTR YR	2007	TOTAL	1156.79	MEAN	3.17	MAX	21	MIN	.3	AC-FT	2290

MAX DISCH: 33.5 CFS AT 20:45 ON Jun. 16, 2007 GH 3.74 FT. GH CORR. -0.01 FT. SHIFT -0.03 FT.
MAX GH: 3.73 FT. (GH CORR. -0.01 FT. APPLIED) AT 20:45 ON Jun. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SPANISH CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08229500 COTTONWOOD CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°56'51", long 105°39'05", in SE1/4NE1/4 Sec. 22, T.43 N., R.12 E., NMPM, Saguache Co., on left bank, 5 miles SE of Crestone.

DRAINAGE AREA.--5.0 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 3 ft. by 3 ft. timber shelter and well. This gage is the original gage put in by the USGS in 1936.

REMARKS.--Record is complete and reliable, except for Nov. 13, 2006, when float was affected by ice in well; and Nov. 14, 2006 through Mar. 26, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice April 14, 2007. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--COCRESCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

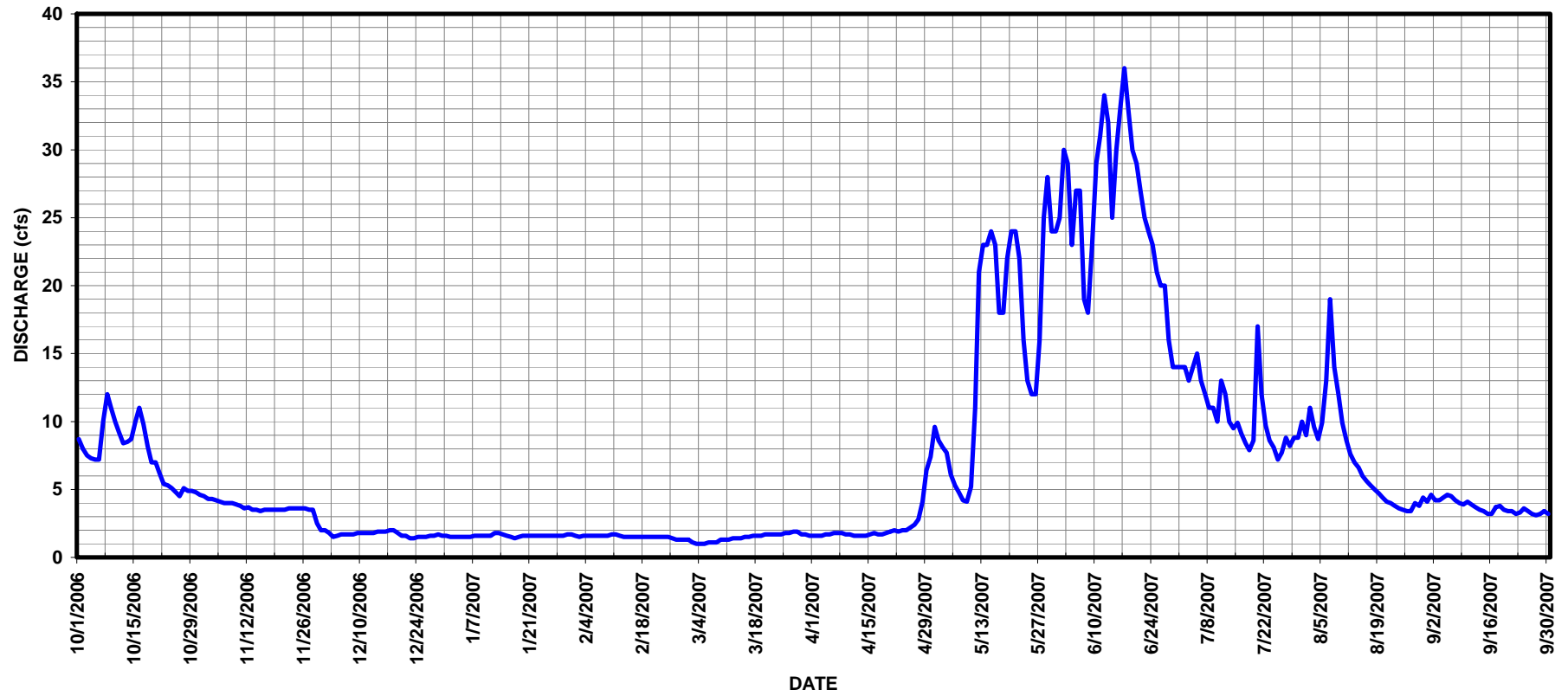
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	4.5	2.0	1.5	1.6	1.3	1.6	9.6	25	14	9.0	4.6
2	8.0	4.3	1.8	1.5	1.5	1.1	1.6	8.6	30	14	11	4.2
3	7.5	4.3	1.5	1.5	1.6	1.0	1.6	8.1	29	13	9.6	4.2
4	7.3	4.2	1.6	1.5	1.6	1.0	1.7	7.7	23	14	8.7	4.4
5	7.2	4.1	1.7	1.5	1.6	1.0	1.7	6.1	27	15	9.9	4.6
6	7.2	4.0	1.7	1.5	1.6	1.1	1.8	5.3	27	13	13	4.5
7	10	4.0	1.7	1.6	1.6	1.1	1.8	4.8	19	12	19	4.2
8	12	4.0	1.7	1.6	1.6	1.1	1.8	4.2	18	11	14	4.0
9	11	3.9	1.8	1.6	1.6	1.3	1.7	4.1	23	11	12	3.9
10	10	3.8	1.8	1.6	1.7	1.3	1.7	5.2	29	10	9.9	4.1
11	9.2	3.6	1.8	1.6	1.7	1.3	1.6	11	31	13	8.6	3.9
12	8.4	3.7	1.8	1.8	1.6	1.4	1.6	21	34	12	7.6	3.7
13	8.5	3.5	1.8	1.8	1.5	1.4	1.6	23	32	10	7.0	3.5
14	8.7	3.5	1.9	1.7	1.5	1.4	1.6	23	25	9.5	6.6	3.4
15	10	3.4	1.9	1.6	1.5	1.5	1.7	24	30	9.9	6.0	3.2
16	11	3.5	1.9	1.5	1.5	1.5	1.8	23	33	9.1	5.6	3.2
17	9.8	3.5	2.0	1.4	1.5	1.6	1.7	18	36	8.4	5.3	3.7
18	8.2	3.5	2.0	1.5	1.5	1.6	1.7	18	33	7.9	5.0	3.8
19	7.0	3.5	1.8	1.6	1.5	1.6	1.8	22	30	8.6	4.7	3.5
20	7.0	3.5	1.6	1.6	1.5	1.7	1.9	24	29	17	4.4	3.4
21	6.2	3.5	1.6	1.6	1.5	1.7	2.0	24	27	12	4.1	3.4
22	5.4	3.6	1.4	1.6	1.5	1.7	1.9	22	25	9.7	4.0	3.2
23	5.3	3.6	1.4	1.6	1.5	1.7	2.0	16	24	8.6	3.8	3.3
24	5.1	3.6	1.5	1.6	1.5	1.7	2.0	13	23	8.1	3.6	3.6
25	4.8	3.6	1.5	1.6	1.4	1.8	2.2	12	21	7.2	3.5	3.4
26	4.5	3.6	1.5	1.6	1.3	1.8	2.4	12	20	7.7	3.4	3.2
27	5.1	3.5	1.6	1.6	1.3	1.9	2.8	16	20	8.8	3.4	3.1
28	4.9	3.5	1.6	1.6	1.3	1.9	4.1	25	16	8.2	4.0	3.2
29	4.9	2.5	1.7	1.6	---	1.7	6.4	28	14	8.8	3.8	3.4
30	4.8	2.0	1.6	1.7	---	1.7	7.4	24	14	8.8	4.4	3.2
31	4.6	---	1.6	1.7	---	1.6	---	24	---	10	4.1	---
TOTAL	232.3	109.3	52.8	49.3	42.6	45.5	67.2	486.7	767	330.3	219.0	111.0
MEAN	7.49	3.64	1.70	1.59	1.52	1.47	2.24	15.7	25.6	10.7	7.06	3.70
AC-FT	461	217	105	98	84	90	133	965	1520	655	434	220
MAX	12	4.5	2.0	1.8	1.7	1.9	7.4	28	36	17	19	4.6
MIN	4.5	2.0	1.4	1.4	1.3	1.0	1.6	4.1	14	7.2	3.4	3.1
CAL YR	2006	TOTAL	1603.55	MEAN	4.39	MAX	26	MIN	.4	AC-FT	3180	
WTR YR	2007	TOTAL	2513	MEAN	6.88	MAX	36	MIN	1	AC-FT	4980	

MAX DISCH: 44.8 CFS AT 19:45 ON Jun. 16, 2007 GH 2.74 FT. SHIFT -0.11 FT.
MAX GH: 2.74 FT. AT 19:45 ON Jun. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08229500 COTTONWOOD CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
DEADMAN CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°53'05", long 105°38'47", in NE1/4, SE1/4, Sec. 3, T.42 N., R.12 E., NMPM, Saguache Co., on right bank 8 miles SE of Crestone.

DRAINAGE AREA.--8.4 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 2-foot culvert pipe stilling well with a small, steel, box-like shelter on top. The well is connected to a standard 6-foot Parshall Flume in good condition. Elevation of gage is 7800 ft.

REMARKS.--Record is complete and reliable, except for Nov. 11-21 2006, Mar. 30, 31, April 1-5, 2007, when the well was frozen; Nov. 22, 2006 through Mar. 29, 2007, when the station was closed for the winter; and May 19, 2007, when there was missing satellite data. Record is good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DEDCRECO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

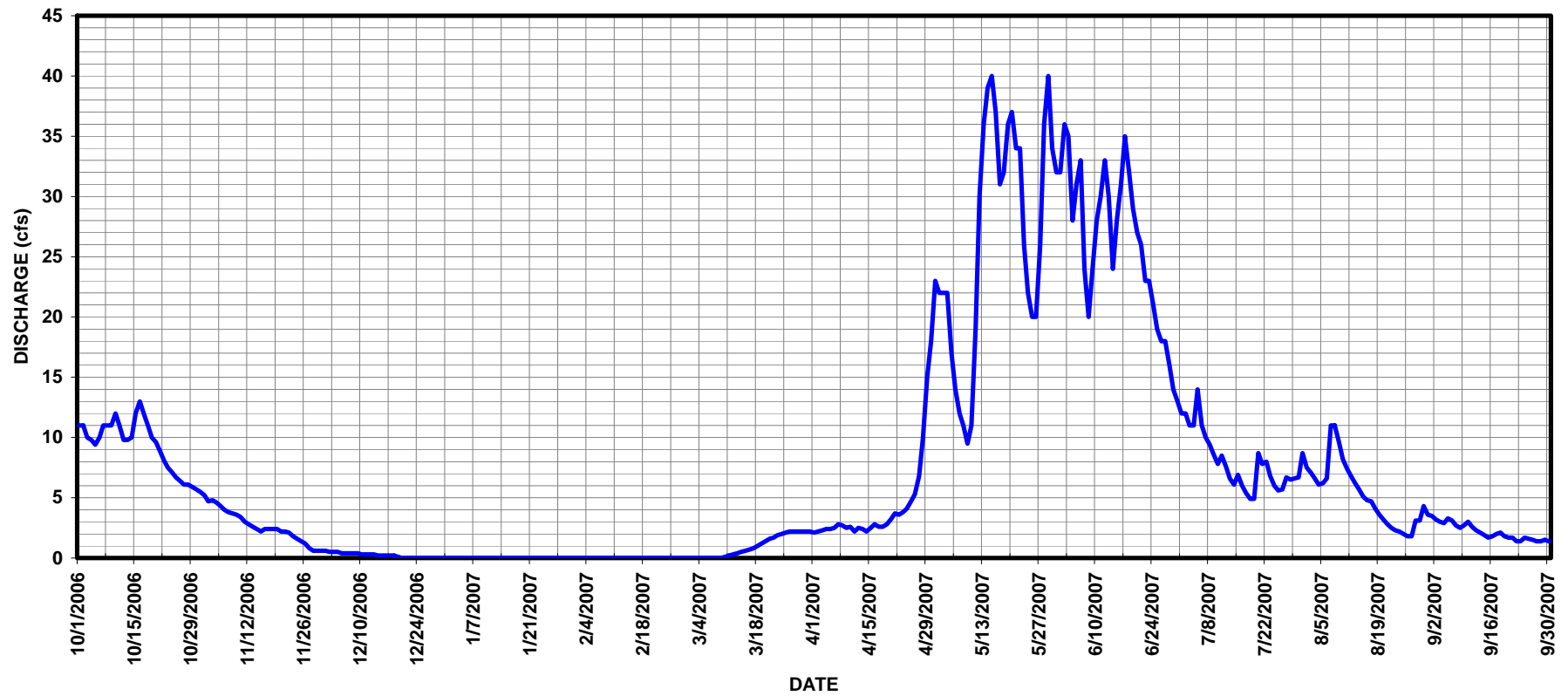
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	5.2	.60	0	0	0	2.1	23	32	12	7.5	3.5
2	11	4.7	.50	0	0	0	2.2	22	36	12	7.1	3.2
3	10	4.8	.50	0	0	0	2.3	22	35	11	6.6	3.0
4	9.8	4.6	.50	0	0	0	2.4	22	28	11	6.1	2.9
5	9.4	4.3	.40	0	0	0	2.4	17	31	14	6.2	3.3
6	10	4.0	.40	0	0	0	2.5	14	33	11	6.6	3.1
7	11	3.8	.40	0	0	0	2.8	12	24	10	11	2.7
8	11	3.7	.40	0	0	0	2.7	11	20	9.4	11	2.5
9	11	3.6	.40	0	0	0	2.5	9.5	24	8.6	9.6	2.7
10	12	3.4	.30	0	0	.10	2.6	11	28	7.8	8.2	3.0
11	11	3.0	.30	0	0	.20	2.2	19	30	8.5	7.4	2.6
12	9.8	2.8	.30	0	0	.30	2.5	30	33	7.6	6.8	2.3
13	9.8	2.6	.30	0	0	.40	2.4	36	30	6.6	6.2	2.1
14	10	2.4	.20	0	0	.50	2.2	39	24	6.1	5.7	1.9
15	12	2.2	.20	0	0	.60	2.5	40	28	6.9	5.1	1.7
16	13	2.4	.20	0	0	.70	2.8	37	31	6.0	4.8	1.8
17	12	2.4	.20	0	0	.80	2.6	31	35	5.4	4.7	2.0
18	11	2.4	.20	0	0	1.0	2.6	32	32	4.9	4.1	2.1
19	10	2.4	.10	0	0	1.2	2.8	36	29	4.9	3.6	1.8
20	9.6	2.2	0	0	0	1.4	3.2	37	27	8.7	3.2	1.7
21	8.9	2.2	0	0	0	1.6	3.7	34	26	7.8	2.8	1.7
22	8.1	2.1	0	0	0	1.7	3.6	34	23	8.0	2.5	1.4
23	7.5	1.8	0	0	0	1.9	3.8	26	23	6.8	2.3	1.4
24	7.1	1.6	0	0	0	2.0	4.1	22	21	6.0	2.2	1.7
25	6.7	1.4	0	0	0	2.1	4.7	20	19	5.6	2.0	1.6
26	6.4	1.2	0	0	0	2.2	5.3	20	18	5.7	1.8	1.5
27	6.1	.80	0	0	0	2.2	6.8	26	18	6.7	1.8	1.4
28	6.1	.60	0	0	0	2.2	10	36	16	6.5	3.1	1.4
29	5.9	.60	0	0	---	2.2	15	40	14	6.6	3.1	1.5
30	5.7	.60	0	0	---	2.2	18	34	13	6.7	4.3	1.4
31	5.5	---	0	0	---	2.2	---	32	---	8.7	3.6	---
TOTAL	288.4	79.80	6.40	0	0	29.70	125.3	824.5	781	247.5	161.0	64.9
MEAN	9.30	2.66	.21	0	0	.96	4.18	26.6	26.0	7.98	5.19	2.16
AC-FT	572	158	13	0	0	59	249	1640	1550	491	319	129
MAX	13	5.2	.60	0	0	2.2	18	40	36	14	11	3.5
MIN	5.5	.60	0	0	0	0	2.1	9.5	13	4.9	1.8	1.4

CAL YR	2006	TOTAL	1360.89	MEAN	3.73	MAX	23	MIN	0	AC-FT	2700
WTR YR	2007	TOTAL	2608.5	MEAN	7.15	MAX	40	MIN	0	AC-FT	5170

MAX DISCH: 50.3 CFS AT 23:00 ON May. 28, 2007 GH 1.52 FT. GH CORR. 0.01 FT. SHIFT 0.06 FT.
MAX GH: 1.53 FT. (GH CORR. 0.01 FT. APPLIED) AT 23:00 ON May. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DEADMAN CREEK NEAR CRESTONE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA, CO

LOCATION.--Lat 37°42'49", long 105°38'55", in Alamosa county, in the NE¼SW¼, sec. 15, T.40 N., R.12 E., New Mexico Principal Meridian.

DRAINAGE AREA AND PERIOD OF RECORD.--0.2 mi². Flow primarily due to groundwater accretions. First record produced for water year 2000.

GAGE.--Record is generated by a float-operated Sutron SDR shaft encoder, which records gage-height data in a 30-inch diameter pipe stilling well and CMP extension for gage shelter. An SDI-12 radio bridge was installed on Oct. 17, 2006 to interface the SDR to the satellite telemetry system at Big Spring Creek at Medano Ranch near Mosca gaging station. The well intake pipe is attached to a 2-foot Parshall Flume with staff gage.

REMARKS.--Record is complete and reliable, except for November 29 - December 11, 2006, when the well was frozen; and December 12, 2006 - April 6, 2007, when the station was closed for the winter. Record is good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LITSPGCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

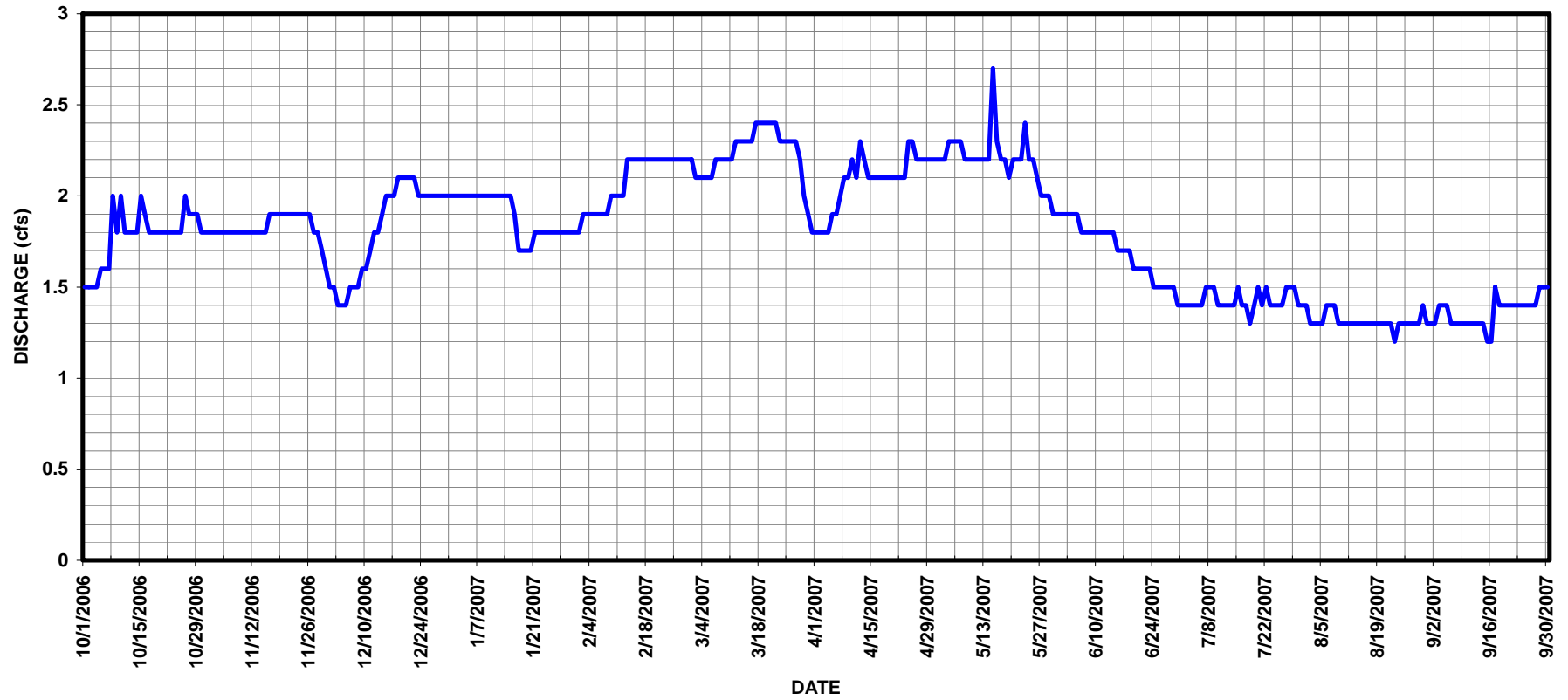
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.8	1.5	2.0	1.8	2.2	1.8	2.2	1.9	1.4	1.4	1.3
2	1.5	1.8	1.5	2.0	1.9	2.1	1.8	2.2	1.9	1.4	1.3	1.3
3	1.5	1.8	1.4	2.0	1.9	2.1	1.8	2.2	1.9	1.4	1.3	1.4
4	1.5	1.8	1.4	2.0	1.9	2.1	1.8	2.3	1.9	1.4	1.3	1.4
5	1.6	1.8	1.4	2.0	1.9	2.1	1.9	2.3	1.9	1.4	1.3	1.4
6	1.6	1.8	1.5	2.0	1.9	2.1	1.9	2.3	1.8	1.4	1.4	1.3
7	1.6	1.8	1.5	2.0	1.9	2.2	2.0	2.3	1.8	1.5	1.4	1.3
8	2.0	1.8	1.5	2.0	1.9	2.2	2.1	2.2	1.8	1.5	1.4	1.3
9	1.8	1.8	1.6	2.0	2.0	2.2	2.1	2.2	1.8	1.5	1.3	1.3
10	2.0	1.8	1.6	2.0	2.0	2.2	2.2	2.2	1.8	1.4	1.3	1.3
11	1.8	1.8	1.7	2.0	2.0	2.2	2.1	2.2	1.8	1.4	1.3	1.3
12	1.8	1.8	1.8	2.0	2.0	2.3	2.3	2.2	1.8	1.4	1.3	1.3
13	1.8	1.8	1.8	2.0	2.2	2.3	2.2	2.2	1.8	1.4	1.3	1.3
14	1.8	1.8	1.9	2.0	2.2	2.3	2.1	2.2	1.8	1.4	1.3	1.3
15	2.0	1.8	2.0	2.0	2.2	2.3	2.1	2.7	1.7	1.5	1.3	1.2
16	1.9	1.9	2.0	1.9	2.2	2.3	2.1	2.3	1.7	1.4	1.3	1.2
17	1.8	1.9	2.0	1.7	2.2	2.4	2.1	2.2	1.7	1.4	1.3	1.5
18	1.8	1.9	2.1	1.7	2.2	2.4	2.1	2.2	1.7	1.3	1.3	1.4
19	1.8	1.9	2.1	1.7	2.2	2.4	2.1	2.1	1.6	1.4	1.3	1.4
20	1.8	1.9	2.1	1.7	2.2	2.4	2.1	2.2	1.6	1.5	1.3	1.4
21	1.8	1.9	2.1	1.8	2.2	2.4	2.1	2.2	1.6	1.4	1.3	1.4
22	1.8	1.9	2.1	1.8	2.2	2.4	2.1	2.2	1.6	1.5	1.3	1.4
23	1.8	1.9	2.0	1.8	2.2	2.3	2.1	2.4	1.6	1.4	1.2	1.4
24	1.8	1.9	2.0	1.8	2.2	2.3	2.3	2.2	1.5	1.4	1.3	1.4
25	1.8	1.9	2.0	1.8	2.2	2.3	2.3	2.2	1.5	1.4	1.3	1.4
26	2.0	1.9	2.0	1.8	2.2	2.3	2.2	2.1	1.5	1.4	1.3	1.4
27	1.9	1.8	2.0	1.8	2.2	2.3	2.2	2.0	1.5	1.5	1.3	1.4
28	1.9	1.8	2.0	1.8	2.2	2.2	2.2	2.0	1.5	1.5	1.3	1.5
29	1.9	1.7	2.0	1.8	---	2.0	2.2	2.0	1.5	1.5	1.3	1.5
30	1.8	1.6	2.0	1.8	---	1.9	2.2	1.9	1.4	1.4	1.4	1.5
31	1.8	---	2.0	1.8	---	1.8	---	1.9	---	1.4	1.3	---
TOTAL	55.2	54.8	56.6	58.5	58.3	69.0	62.6	68.0	50.9	44.2	40.7	40.9
MEAN	1.78	1.83	1.83	1.89	2.08	2.23	2.09	2.19	1.70	1.43	1.31	1.36
AC-FT	109	109	112	116	116	137	124	135	101	88	81	81
MAX	2.0	1.9	2.1	2.0	2.2	2.4	2.3	2.7	1.9	1.5	1.4	1.5
MIN	1.5	1.6	1.4	1.7	1.8	1.8	1.8	1.9	1.4	1.3	1.2	1.2

CAL YR	2006	TOTAL	567	MEAN	1.55	MAX	2.1	MIN	1.1	AC-FT	1120
WTR YR	2007	TOTAL	659.7	MEAN	1.81	MAX	2.7	MIN	1.2	AC-FT	1310

MAX DISCH: 5.34 CFS AT 19:00 ON May. 15, 2007 GH 0.79 FT. SHIFT -0.02 FT.
MAX GH: 0.79 FT. AT 19:00 ON May. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
BIG SPRING CREEK AT MEDANO RANCH NEAR MOSCA CO

LOCATION.--Lat 37°44'03", long 105°39'50", in NE ¼ NW ¼ Sec. 9, T.40 N., R.12 E., NMPM, Alamosa Co., on left bank approximately ¼ mile above Los Ojos Diversion.

DRAINAGE AREA AND PERIOD OF RECORD.--0.3 mi². First record produced in 1999. Flow primarily due to groundwater accretions.

GAGE.--Record was generated by a float-operated Sutron SDR, which records gage-height data in a 30-inch diameter pipe well and CMP extension for gage shelter. The SDR was replaced with a shaft encoder and satellite telemetry system on Oct. 17, 2006. The intake pipe is attached to a 4-foot Parshall Flume with staff gage. The Parshall Flume was modified by placing a steel V-ramp into the converging section of flume on July 24, 2006. Elevation of gage is 7580 ft.

REMARKS.--Record is complete and reliable for the water year, except for Dec. 3-11, 2006, when the shaft encoder float sank; and Dec. 12, 2006 through Mar. 29, 2007, when the station was closed for the winter. The stage-discharge relation was affected by ice Oct. 27, Nov. 15, 30, Dec. 1, 2, 2006. Record is fair due to flume submergence and rating uncertainty, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--BIGSPGCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

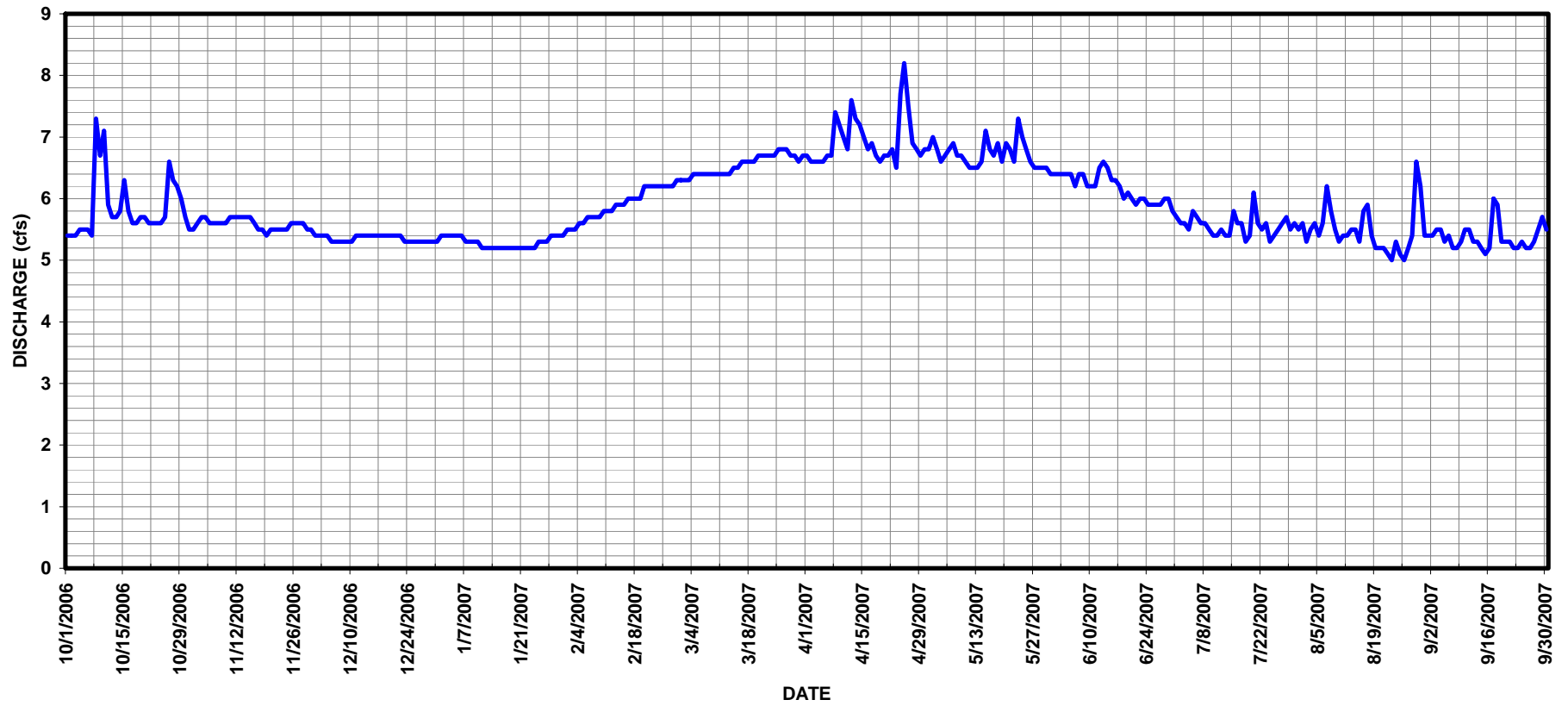
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	5.5	5.4	5.4	5.5	6.3	6.7	6.8	6.4	5.7	5.6	5.4
2	5.4	5.6	5.4	5.4	5.5	6.3	6.6	7.0	6.4	5.6	5.3	5.4
3	5.4	5.7	5.4	5.4	5.5	6.3	6.6	6.8	6.4	5.6	5.5	5.5
4	5.5	5.7	5.4	5.4	5.6	6.4	6.6	6.6	6.4	5.5	5.6	5.5
5	5.5	5.6	5.3	5.4	5.6	6.4	6.6	6.7	6.4	5.8	5.4	5.3
6	5.5	5.6	5.3	5.4	5.7	6.4	6.7	6.8	6.2	5.7	5.6	5.4
7	5.4	5.6	5.3	5.3	5.7	6.4	6.7	6.9	6.4	5.6	6.2	5.2
8	7.3	5.6	5.3	5.3	5.7	6.4	7.4	6.7	6.4	5.6	5.8	5.2
9	6.7	5.6	5.3	5.3	5.7	6.4	7.2	6.7	6.2	5.5	5.5	5.3
10	7.1	5.7	5.3	5.3	5.8	6.4	7.0	6.6	6.2	5.4	5.3	5.5
11	5.9	5.7	5.4	5.2	5.8	6.4	6.8	6.5	6.2	5.4	5.4	5.5
12	5.7	5.7	5.4	5.2	5.8	6.4	7.6	6.5	6.5	5.5	5.4	5.3
13	5.7	5.7	5.4	5.2	5.9	6.4	7.3	6.5	6.6	5.4	5.5	5.3
14	5.8	5.7	5.4	5.2	5.9	6.5	7.2	6.6	6.5	5.4	5.5	5.2
15	6.3	5.7	5.4	5.2	5.9	6.5	7.0	7.1	6.3	5.8	5.3	5.1
16	5.8	5.6	5.4	5.2	6.0	6.6	6.8	6.8	6.3	5.6	5.8	5.2
17	5.6	5.5	5.4	5.2	6.0	6.6	6.9	6.7	6.2	5.6	5.9	6.0
18	5.6	5.5	5.4	5.2	6.0	6.6	6.7	6.9	6.0	5.3	5.4	5.9
19	5.7	5.4	5.4	5.2	6.0	6.6	6.6	6.6	6.1	5.4	5.2	5.3
20	5.7	5.5	5.4	5.2	6.2	6.7	6.7	6.9	6.0	6.1	5.2	5.3
21	5.6	5.5	5.4	5.2	6.2	6.7	6.7	6.8	5.9	5.6	5.2	5.3
22	5.6	5.5	5.4	5.2	6.2	6.7	6.8	6.6	6.0	5.5	5.1	5.2
23	5.6	5.5	5.3	5.2	6.2	6.7	6.5	7.3	6.0	5.6	5.0	5.2
24	5.6	5.5	5.3	5.2	6.2	6.7	7.7	7.0	5.9	5.3	5.3	5.3
25	5.7	5.6	5.3	5.3	6.2	6.8	8.2	6.8	5.9	5.4	5.1	5.2
26	6.6	5.6	5.3	5.3	6.2	6.8	7.5	6.6	5.9	5.5	5.0	5.2
27	6.3	5.6	5.3	5.3	6.2	6.8	6.9	6.5	5.9	5.6	5.2	5.3
28	6.2	5.6	5.3	5.4	6.3	6.7	6.8	6.5	6.0	5.7	5.4	5.5
29	6.0	5.5	5.3	5.4	---	6.7	6.7	6.5	6.0	5.5	6.6	5.7
30	5.7	5.5	5.3	5.4	---	6.6	6.8	6.5	5.8	5.6	6.2	5.5
31	5.5	---	5.3	5.4	---	6.7	---	6.4	---	5.5	5.4	---
TOTAL	181.4	167.6	165.9	163.9	165.5	202.9	208.3	208.2	185.4	172.3	169.9	161.2
MEAN	5.85	5.59	5.35	5.29	5.91	6.55	6.94	6.72	6.18	5.56	5.48	5.37
AC-FT	360	332	329	325	328	402	413	413	368	342	337	320
MAX	7.3	5.7	5.4	5.4	6.3	6.8	8.2	7.3	6.6	6.1	6.6	6.0
MIN	5.4	5.4	5.3	5.2	5.5	6.3	6.5	6.4	5.8	5.3	5.0	5.1

CAL YR	2006	TOTAL	2147.4	MEAN	5.88	MAX	7.7	MIN	4.8	AC-FT	4260
WTR YR	2007	TOTAL	2152.5	MEAN	5.90	MAX	8.2	MIN	5.0	AC-FT	4270

MAX DISCH: 13.7 CFS AT 20:00 ON Aug. 29, 2007 GH 1.57 FT. SHIFT -0.04 FT.
MAX GH: 1.57 FT. AT 20:00 ON Aug. 29, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**BIG SPRING CREEK AT MEDANO RANCH NEAR MOSCA CO
WY2007 HYDROGRAPH**



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°51'39", long 106°18'55", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 5.5 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi².

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder, in a 42 inch diameter metal shelter and well. A graphic water-stage recorder is operated as a data backup. Datum of gage is 8,150 ft. from topographic map.

REMARKS.--Record is complete and reliable, except for November 24, 2006 to March 16, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice Oct. 27, Nov. 2, 3, 11-23, 2006, and Mar. 30, 31, Apr. 13, 14, 2007. Control slightly submerged October 7-12, 2006 by beaver dam. Record is good, except for periods of no gage-height, ice-affected, and control-submerged record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CARLAGCO15 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

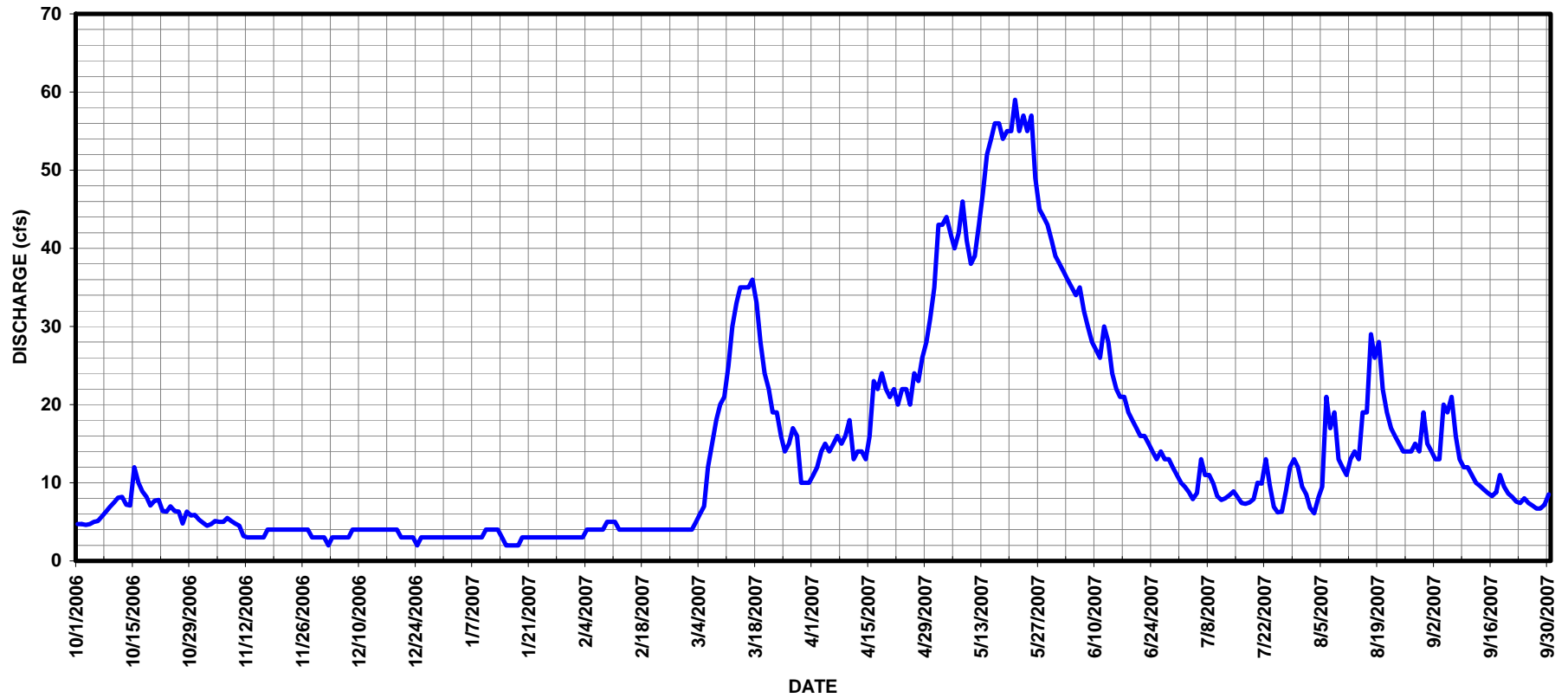
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	4.9	3.0	3.0	3.0	4.0	11	35	38	10	8.5	14
2	4.7	4.5	2.0	3.0	3.0	4.0	12	43	37	9.5	6.8	13
3	4.6	4.7	3.0	3.0	3.0	5.0	14	43	36	8.8	6.1	13
4	4.7	5.1	3.0	3.0	4.0	6.0	15	44	35	7.9	8.1	20
5	5.0	5.0	3.0	3.0	4.0	7.0	14	42	34	8.7	9.5	19
6	5.1	5.0	3.0	3.0	4.0	12	15	40	35	13	21	21
7	5.7	5.5	3.0	3.0	4.0	15	16	42	32	11	17	16
8	6.3	5.1	4.0	3.0	4.0	18	15	46	30	11	19	13
9	6.9	4.8	4.0	3.0	5.0	20	16	41	28	9.9	13	12
10	7.5	4.5	4.0	4.0	5.0	21	18	38	27	8.3	12	12
11	8.1	3.2	4.0	4.0	5.0	25	13	39	26	7.8	11	11
12	8.2	3.0	4.0	4.0	4.0	30	14	43	30	8.0	13	10
13	7.2	3.0	4.0	4.0	4.0	33	14	47	28	8.4	14	9.6
14	7.1	3.0	4.0	3.0	4.0	35	13	52	24	8.9	13	9.1
15	12	3.0	4.0	2.0	4.0	35	16	54	22	8.2	19	8.7
16	10	3.0	4.0	2.0	4.0	35	23	56	21	7.4	19	8.3
17	8.9	4.0	4.0	2.0	4.0	36	22	56	21	7.3	29	8.8
18	8.2	4.0	4.0	2.0	4.0	33	24	54	19	7.5	26	11
19	7.1	4.0	4.0	3.0	4.0	28	22	55	18	7.9	28	9.5
20	7.7	4.0	3.0	3.0	4.0	24	21	55	17	10	22	8.6
21	7.8	4.0	3.0	3.0	4.0	22	22	59	16	9.9	19	8.2
22	6.4	4.0	3.0	3.0	4.0	19	20	55	16	13	17	7.6
23	6.3	4.0	3.0	3.0	4.0	19	22	57	15	9.7	16	7.4
24	7.0	4.0	2.0	3.0	4.0	16	22	55	14	6.9	15	8.0
25	6.4	4.0	3.0	3.0	4.0	14	20	57	13	6.2	14	7.4
26	6.3	4.0	3.0	3.0	4.0	15	24	49	14	6.3	14	7.1
27	4.8	4.0	3.0	3.0	4.0	17	23	45	13	9.0	14	6.7
28	6.3	3.0	3.0	3.0	4.0	16	26	44	13	12	15	6.7
29	5.8	3.0	3.0	3.0	---	10	28	43	12	13	14	7.2
30	5.9	3.0	3.0	3.0	---	10	31	41	11	12	19	8.5
31	5.3	---	3.0	3.0	---	10	---	39	---	9.5	15	---
TOTAL	208.0	120.3	103.0	93.0	112.0	594.0	566	1469	695	287.0	487.0	322.4
MEAN	6.71	4.01	3.32	3.00	4.00	19.2	18.9	47.4	23.2	9.26	15.7	10.7
AC-FT	413	239	204	184	222	1180	1120	2910	1380	569	966	639
MAX	12	5.5	4.0	4.0	5.0	36	31	59	38	13	29	21
MIN	4.6	3.0	2.0	2.0	3.0	4.0	11	35	11	6.2	6.1	6.7
CAL YR	2006	TOTAL	1954.6	MEAN	5.36	MAX	25	MIN	0.6	AC-FT	3880	
WTR YR	2007	TOTAL	5056.7	MEAN	13.9	MAX	59	MIN	2	AC-FT	10030	

MAX DISCH: 84.2 CFS AT 19:15 ON Aug. 17, 2007 GH 2.86 FT. SHIFT 0.05 FT.

MAX GH: 2.86 FT. AT 19:15 ON Aug. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08230500 CARNERO CREEK NEAR LA GARITA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°48'48", long 106°19'05", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 3.75 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--61 mi². Non-recording station Apr. 01, 1919-June 23, 1927. Recording station from June 1927-Oct. 1998, at which time a Data Logger was installed. April 1999 satellite telemetry system installed. Station at various sites all within ¼ mile of present site.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 4 ft. metal pipe shelter and well. A graphic water-stage recorder is operated as a data backup. Altitude of gage is 8,030 ft from topographic map.

REMARKS.--Record is complete and reliable, except for the following periods: Dec. 1-20, 2006, when the well was frozen; and Dec. 21, 2006 to March 16, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 11-30, 2006, and Mar. 30, 2007. Record is good, except for periods of no gage-height and ice-affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

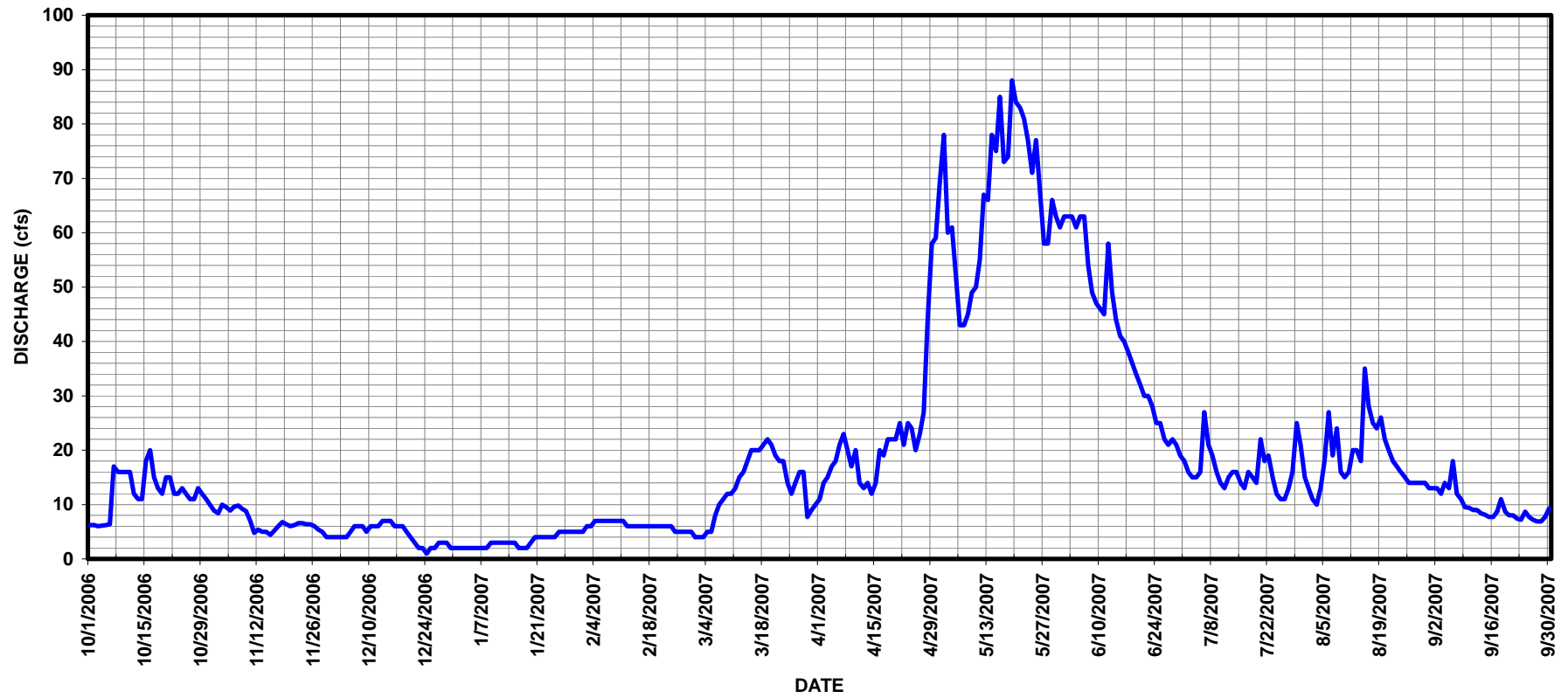
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	8.9	4.0	2.0	5.0	4.0	11	69	63	18	13	13
2	6.2	8.4	4.0	2.0	6.0	4.0	14	78	63	16	11	13
3	6.0	10	4.0	2.0	6.0	4.0	15	60	63	15	10	12
4	6.1	9.5	4.0	2.0	7.0	5.0	17	61	61	15	13	14
5	6.2	8.9	5.0	2.0	7.0	5.0	18	52	63	16	18	13
6	6.4	9.6	6.0	2.0	7.0	8.0	21	43	63	27	27	18
7	17	9.8	6.0	2.0	7.0	10	23	43	54	21	19	12
8	16	9.2	6.0	2.0	7.0	11	20	45	49	19	24	11
9	16	8.8	5.0	3.0	7.0	12	17	49	47	16	16	9.5
10	16	7.0	6.0	3.0	7.0	12	20	50	46	14	15	9.4
11	16	4.8	6.0	3.0	7.0	13	14	55	45	13	16	9.0
12	12	5.4	6.0	3.0	6.0	15	13	67	58	15	20	9.0
13	11	5.0	7.0	3.0	6.0	16	14	66	49	16	20	8.4
14	11	5.0	7.0	3.0	6.0	18	12	78	44	16	18	8.1
15	18	4.4	7.0	3.0	6.0	20	14	75	41	14	35	7.7
16	20	5.2	6.0	2.0	6.0	20	20	85	40	13	28	7.7
17	15	6.0	6.0	2.0	6.0	20	19	73	38	16	25	8.7
18	13	6.8	6.0	2.0	6.0	21	22	74	36	15	24	11
19	12	6.4	5.0	3.0	6.0	22	22	88	34	14	26	8.7
20	15	6.0	4.0	4.0	6.0	21	22	84	32	22	22	8.0
21	15	6.2	3.0	4.0	6.0	19	25	83	30	18	20	8.0
22	12	6.6	2.0	4.0	6.0	18	21	81	30	19	18	7.4
23	12	6.6	2.0	4.0	6.0	18	25	77	28	15	17	7.2
24	13	6.4	1.0	4.0	5.0	14	24	71	25	12	16	8.7
25	12	6.4	2.0	4.0	5.0	12	20	77	25	11	15	7.7
26	11	6.0	2.0	5.0	5.0	14	23	67	22	11	14	7.2
27	11	5.4	3.0	5.0	5.0	16	27	58	21	13	14	6.9
28	13	5.0	3.0	5.0	5.0	16	44	58	22	16	14	6.9
29	12	4.0	3.0	5.0	---	7.7	58	66	21	25	14	7.7
30	11	4.0	2.0	5.0	---	9.0	59	63	19	21	14	9.3
31	9.9	---	2.0	5.0	---	10	---	61	---	15	13	---
TOTAL	377.0	201.7	135.0	100.0	170.0	414.7	674	2057	1232	507	569	288.2
MEAN	12.2	6.72	4.35	3.23	6.07	13.4	22.5	66.4	41.1	16.4	18.4	9.61
AC-FT	748	400	268	198	337	823	1340	4080	2440	1010	1130	572
MAX	20	10	7.0	5.0	7.0	22	59	88	63	27	35	18
MIN	6.0	4.0	1.0	2.0	5.0	4.0	11	43	19	11	10	6.9

CAL YR	2006	TOTAL	3179.6	MEAN	8.71	MAX	48	MIN	1.0	AC-FT	6310
WTR YR	2007	TOTAL	6725.6	MEAN	18.4	MAX	88	MIN	1.0	AC-FT	13340

MAX DISCH: 104 CFS AT 06:30 ON May. 19, 2007 GH 3.16 FT. SHIFT -0.15 FT.
MAX GH: 3.16 FT. AT 06:30 ON May. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08231000 LA GARITA CREEK NEAR LA GARITA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08235250 ALAMOSA RIVER ABOVE WIGHTMAN FORK NEAR JASPER, CO

LOCATION.--Lat 37°24'09", long 106°31'17", in SE¼SW¼ sec.35, T.37 N., R.4 E., Rio Grande Co. Hydrologic Unit 13010002, Rio Grande National Forest, on left bank 150' upstream from Wightman Fork, 1.9 mi downstream from Bitter Creek, 4.1 mi west of Jasper, and 4.2 mi southeast of Summitville.

DRAINAGE AREA AND PERIOD OF RECORD.--37.8 mi².

GAGE.--Sutron Accubar water level sensor and satellite telemetry data collection platform in a 4 ft by 4 ft by 8 ft steel building. Data collection platform also monitors Hydrolab for water-quality (water temperature, conductance, and pH) data collection.

REMARKS.--Record complete for period of operation, October 1, 2006 to Nov.5, 2006, April 14 to September 30, 2007, except for Nov. 5, 2006 and April 14, 2007 when there were missing satellite data. Gage-height not representative of average, ("e" record) Oct. 1-15, 2006, Jul. 26-31, Aug. 1-5, 2007 due to silt around the orifice line causing many high pressure transducer readings. Record is fair except for periods of missing gage-height record, and periods when gage height was not representative of average which are poor. Station maintained and record developed by private consultant; record reviewed by Div. III Personnel.

RATING TABLE.--ALAWIGCO05 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	29	-	-	-	-	-	165	377	88	69	25
2	41	28	-	-	-	-	-	194	419	80	66	25
3	35	27	-	-	-	-	-	180	395	72	71	21
4	35	26	-	-	-	-	-	166	360	67	115	22
5	36	24	-	-	-	-	-	127	410	63	102	27
6	47	-	-	-	-	-	-	96	370	58	122	27
7	228	-	-	-	-	-	-	82	242	54	162	19
8	150	-	-	-	-	-	-	74	216	51	133	16
9	135	-	-	-	-	-	-	73	266	48	95	15
10	126	-	-	-	-	-	-	91	311	45	77	42
11	122	-	-	-	-	-	-	129	336	46	67	23
12	98	-	-	-	-	-	-	201	389	44	60	20
13	96	-	-	-	-	-	-	331	325	48	54	17
14	98	-	-	-	-	-	29	439	295	45	48	15
15	98	-	-	-	-	-	30	376	272	45	40	14
16	89	-	-	-	-	-	31	349	254	43	38	14
17	72	-	-	-	-	-	32	290	256	50	34	44
18	72	-	-	-	-	-	35	266	254	41	30	44
19	65	-	-	-	-	-	37	304	230	43	27	26
20	61	-	-	-	-	-	42	294	209	47	25	25
21	55	-	-	-	-	-	46	313	189	44	23	25
22	50	-	-	-	-	-	44	310	168	47	21	21
23	47	-	-	-	-	-	47	203	158	42	20	77
24	45	-	-	-	-	-	44	158	157	37	20	66
25	42	-	-	-	-	-	41	141	145	38	19	48
26	38	-	-	-	-	-	44	157	126	44	18	43
27	38	-	-	-	-	-	52	217	113	56	18	39
28	37	-	-	-	-	-	80	313	100	72	22	48
29	36	-	-	-	---	-	116	380	95	79	20	52
30	34	-	-	-	---	-	143	356	92	98	21	42
31	31	---	-	-	---	-	---	345	---	89	20	---
TOTAL	2197	134	-	-	-	-	893	7120	7529	1724	1657	942
MEAN	70.9	4.47	-	-	-	-	29.8	230	251	55.6	53.5	31.4
AC-FT	4360	266	-	-	-	-	1770	14120	14930	3420	3290	1870
MAX	228	29	-	-	-	-	143	439	419	98	162	77
MIN	31	24	-	-	-	-	29	73	92	37	18	14

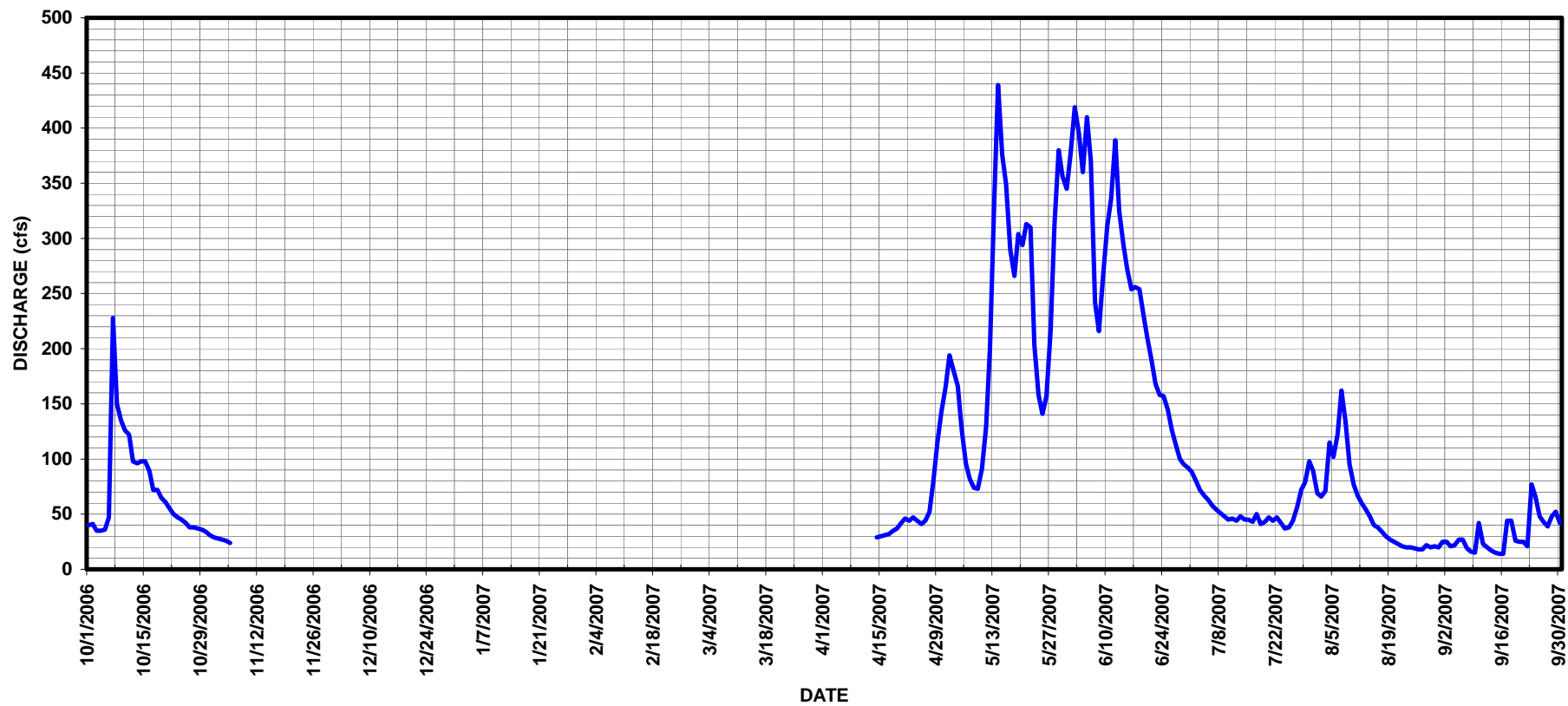
WTR YR 2007 PERIOD OF RECORD TOTAL 22196 AC-FT 44030 (PARTIAL YEAR RECORD)

MAX DISCH: 612 CFS AT 21:00 ON Jun. 5, 2007 GH 4.87 FT. SHIFT 0.07 FT.

MAX GH: 4.92 FT. AT 22:45 ON Aug. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08235250 ALAMOSA RIVER ABOVE WIGHTMAN FORK NEAR JASPER CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08235270 WIGHTMAN FORK BELOW CROPSY CREEK NEAR SUMMITVILLE, CO

LOCATION.--Lat. 37°25'45", long 106°35'03", in NW¼NW¼ sec. 29, T.37N., R.4 E., Rio Grande Co., Hydrologic Unit 13010002, on left bank about 200 ft. downstream from Cropsy Creek, and 0.25 mi east of Summitville.

DRAINAGE AREA AND PERIOD OF RECORD.--4.44 mi². July 1995 to current year (seasonal records only).

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a Sutron Accubar bubbler gage in a 4 ft. by 4 ft. 8 ft. steel building. Elevation of gage is 11,120 ft. above sea level.

REMARKS.--Record is complete for period of operation, October 1 to November 5, 2006 and May 6 to September 30, 2007, except for November 5, 2006 and May 6, 2007 when there were missing data. Stage discharge relationship was affected by ice October 19, 22, 26, 27, 31, Nov. 1-4, 2006. Data from the staff gage was used to apply corrections to DCP data. Record is fair, except for periods of no gage height and ice-affected record, which are poor. Station maintained and record developed by private consultant; record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--WFKCROCO05 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

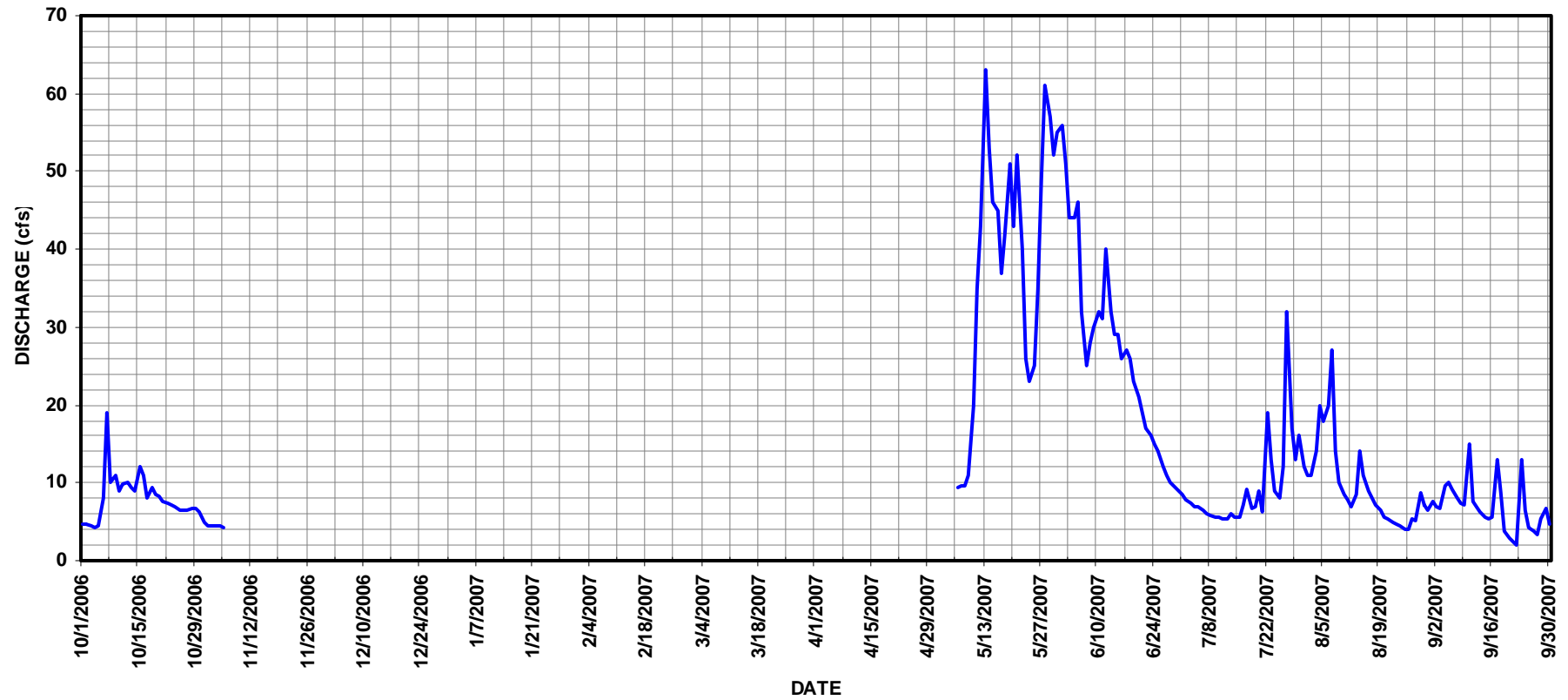
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	4.5	-	-	-	-	-	-	56	8.5	11	7.7
2	4.6	4.5	-	-	-	-	-	-	51	7.9	11	7.0
3	4.5	4.5	-	-	-	-	-	-	44	7.3	14	6.7
4	4.3	4.5	-	-	-	-	-	-	44	7.0	20	9.6
5	4.4	4.3	-	-	-	-	-	-	46	6.9	18	10
6	8.0	-	-	-	-	-	-	9.5	32	6.4	20	9.1
7	19	-	-	-	-	-	-	9.6	25	6.1	27	8.1
8	10	-	-	-	-	-	-	9.7	28	5.9	14	7.3
9	11	-	-	-	-	-	-	11	30	5.6	10	7.2
10	9.0	-	-	-	-	-	-	20	32	5.5	8.6	15
11	9.8	-	-	-	-	-	-	35	31	5.4	7.9	7.5
12	10	-	-	-	-	-	-	43	40	5.4	7.0	6.9
13	9.5	-	-	-	-	-	-	63	32	6.1	8.6	6.3
14	8.9	-	-	-	-	-	-	53	29	5.5	14	5.7
15	12	-	-	-	-	-	-	46	29	5.5	11	5.4
16	11	-	-	-	-	-	-	45	26	7.2	8.9	5.5
17	8.1	-	-	-	-	-	-	37	27	9.1	8.0	13
18	9.5	-	-	-	-	-	-	42	26	6.8	7.2	8.7
19	8.5	-	-	-	-	-	-	51	23	6.9	6.4	3.9
20	8.2	-	-	-	-	-	-	43	21	9.0	5.7	2.8
21	7.7	-	-	-	-	-	-	52	19	6.3	5.4	2.5
22	7.4	-	-	-	-	-	-	40	17	19	5.0	2.0
23	7.2	-	-	-	-	-	-	26	16	13	4.7	13
24	6.9	-	-	-	-	-	-	23	15	9.0	4.5	6.5
25	6.5	-	-	-	-	-	-	25	14	8.1	4.0	4.2
26	6.5	-	-	-	-	-	-	35	12	12	4.0	3.7
27	6.5	-	-	-	-	-	-	49	11	32	5.3	3.3
28	6.7	-	-	-	-	-	-	61	10	17	5.2	5.4
29	6.6	-	-	-	---	-	-	57	9.5	13	8.8	6.7
30	6.3	-	-	-	---	-	-	52	8.9	16	7.2	4.6
31	5.0	---	-	-	---	-	---	55	---	12	6.5	---
TOTAL	248.3	22.3	-	-	-	-	-	992.8	804.4	291.4	298.9	205.3
MEAN	8.01	.74	-	-	-	-	-	32.0	26.8	9.40	9.64	6.84
AC-FT	493	44	-	-	-	-	-	1970	1600	578	593	407
MAX	19	4.5	-	-	-	-	-	63	56	32	27	15
MIN	4.3	4.3	-	-	-	-	-	9.5	8.9	5.4	4.0	2.0

WTR YR 2007 PERIOD OF RECORD TOTAL 2863.4 AC-FT 5680 (PARTIAL YEAR RECORD)

MAX DISCH: 251 CFS AT 15:45 ON Jul. 27, 2007 GH 6.44 FT. SHIFT -0.15 FT.
MAX GH: 6.44 FT. AT 15:45 ON Jul. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08235270 WIGHTMAN FORK BELOW CROPSY CREEK NEAR SUMMITVILLE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08235290 WIGHTMAN FORK AT MOUTH NEAR JASPER, CO

LOCATION.--Lat. 37°24'14", long 106°31'16", in SE¼SW¼ sec. 35, T.37 N., R.4 E., Rio Grande County, Hydrologic Unit 13010002, on right bank 25' downstream from bridge on Forest Development Road No. 250, about 300' upstream from confluence with Alamosa River, and 4.3 mi southwest of Jasper.

DRAINAGE AREA AND PERIOD OF RECORD.--16.1 mi². July 1995 to current year (seasonal record only).

GAGE.--Shelter is a 4 ft by 4 ft by 8 ft steel building for this station and includes equipment for the station "Alamosa River above Wightman Fork". Equipment for this station includes a DCP (data collection platform) which collects gage-height data from a Sutron Accubar and water quality data from a Hydrolab. The DCP is satellite monitored. Outside staff gage.

REMARKS.--Record is complete for the period of operation, October 1, - November 5, 2006, April 14 to September 30, 2007, except for November 5, 2006 and April 14, 2007 when there was missing data. Gage height was affected by ice October 18 - 31, November 1 - 4, 2006. Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by private consultant; record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--WFKMOUCO05 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

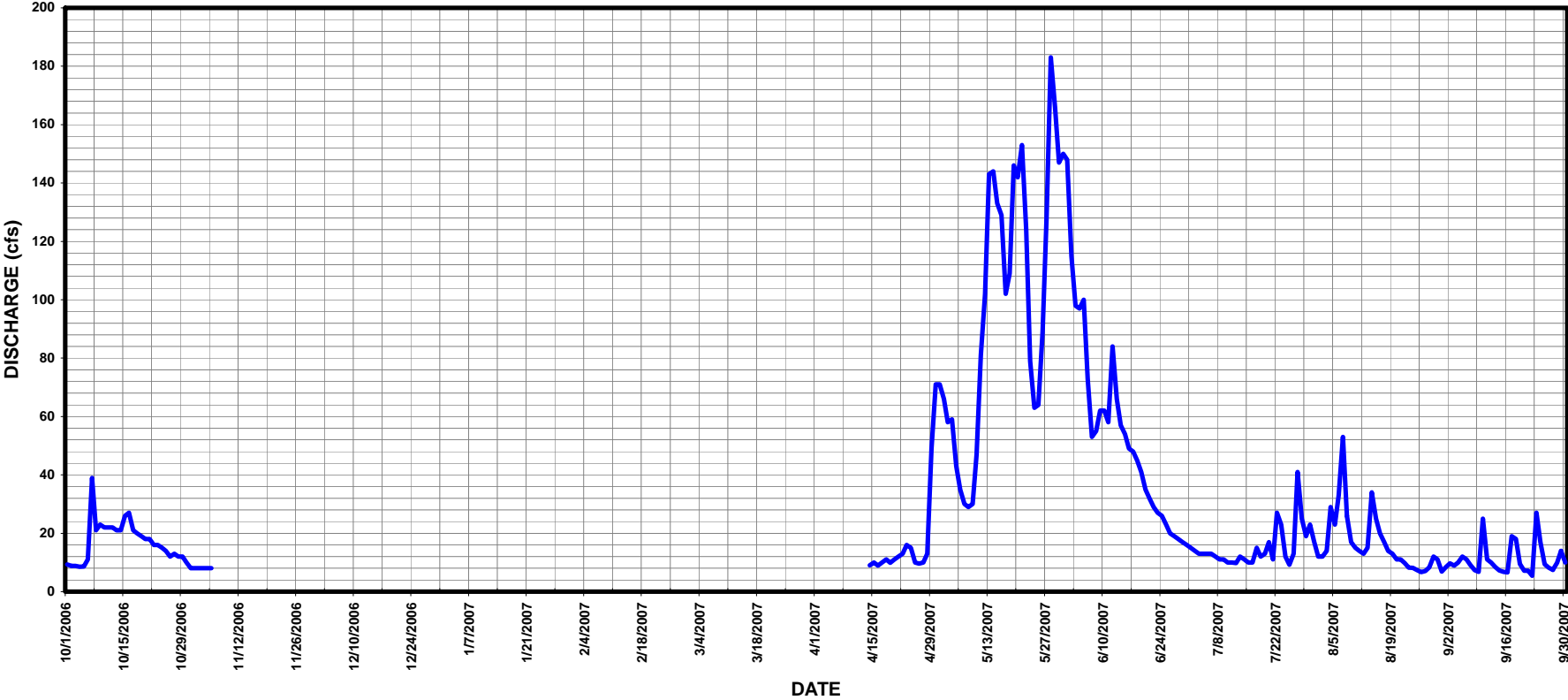
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	8.0	-	-	-	-	-	71	148	15	12	8.4
2	8.8	8.0	-	-	-	-	-	66	115	14	12	9.7
3	8.8	8.0	-	-	-	-	-	58	98	13	14	8.9
4	8.5	8.0	-	-	-	-	-	59	97	13	29	10
5	8.6	8.0	-	-	-	-	-	43	100	13	23	12
6	11	-	-	-	-	-	-	35	73	13	33	11
7	39	-	-	-	-	-	-	30	53	12	53	9.1
8	21	-	-	-	-	-	-	29	55	11	26	7.4
9	23	-	-	-	-	-	-	30	62	11	17	6.8
10	22	-	-	-	-	-	-	47	62	10	15	25
11	22	-	-	-	-	-	-	81	58	10	14	11
12	22	-	-	-	-	-	-	102	84	9.8	13	10
13	21	-	-	-	-	-	-	143	66	12	15	8.4
14	21	-	-	-	-	-	9.0	144	57	11	34	7.3
15	26	-	-	-	-	-	10	133	54	10	25	6.8
16	27	-	-	-	-	-	8.9	129	49	10	20	6.6
17	21	-	-	-	-	-	10	102	48	15	17	19
18	20	-	-	-	-	-	11	109	45	12	14	18
19	19	-	-	-	-	-	9.9	146	41	13	13	9.5
20	18	-	-	-	-	-	11	142	35	17	11	7.2
21	18	-	-	-	-	-	12	153	32	11	11	7.2
22	16	-	-	-	-	-	13	124	29	27	9.8	5.4
23	16	-	-	-	-	-	16	79	27	23	8.2	27
24	15	-	-	-	-	-	15	63	26	12	8.1	17
25	14	-	-	-	-	-	10	64	23	9.2	7.4	9.4
26	12	-	-	-	-	-	9.6	89	20	13	6.7	8.2
27	13	-	-	-	-	-	10	128	19	41	7.1	7.5
28	12	-	-	-	-	-	13	183	18	25	8.3	9.9
29	12	-	-	-	---	-	49	166	17	19	12	14
30	10	-	-	-	---	-	71	147	16	23	11	10
31	8.0	---	-	-	---	-	---	150	---	17	6.9	---
TOTAL	523.0	40.0	-	-	-	-	288.4	3045	1627	465.0	506.5	327.7
MEAN	16.9	1.33	-	-	-	-	9.61	98.2	54.2	15.0	16.3	10.9
AC-FT	1040	79	-	-	-	-	572	6040	3230	922	1000	650
MAX	39	8.0	-	-	-	-	71	183	148	41	53	27
MIN	8.0	8.0	-	-	-	-	8.9	29	16	9.2	6.7	5.4

WTR YR 2007 PERIOD OF RECORD TOTAL 6822.6 AC-FT 13530 (PARTIAL YEAR RECORD)

MAX DISCH: 532 CFS AT 18:00 ON May. 28, 2007 GH 5.29 FT. GH CORR. -0.02 FT. SHIFT 0.11 FT.
MAX GH: 5.27 FT. (GH CORR. -0.02 FT. APPLIED) AT 18:00 ON May. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08235290 WIGHTMAN FORK AT MOUTH NEAR JASPER CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN
ALAMOSA RIVER BELOW RANGER CREEK, CO

LOCATION.--Lat. 37°23'23", long. 106°22'41", Conejos County, on right bank, 30' above Silver Lakes Road Bridge, 0.4 miles below Ranger Creek and 4 miles above Terrace Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A. Station established in water year 2003.

GAGE.--Sutron Accubar water level sensor and satellite telemetry data collection platform (DCP) in a 4' x 4' x 8' foot steel building. The DCP also monitors a Hydrolab to collect water quality information. Outside staff gage installed as base gage.

REMARKS.--Record is complete and reliable for the period of operation, Oct. 1 to Nov. 5, 2006 and Apr. 14 to Sep. 30, 2007, except for Nov. 5, 2006 and Apr. 14, 2007, when there were missing data. The stage-discharge relation was affected by ice Oct. 19 and 27, 2006. Graphical analysis of the gage-height record indicates that the Accubar pressure sensor continuously 'hunts' the point of pressure equilibrium. This hunting creates some uncertainty in gage-height record. Due to this uncertainty, the record should be considered fair, except for periods of no gage-height or ice affected record, which are poor. Station maintained and record developed by private consultant; record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--ALARANCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, PERIOD OF RECORD WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

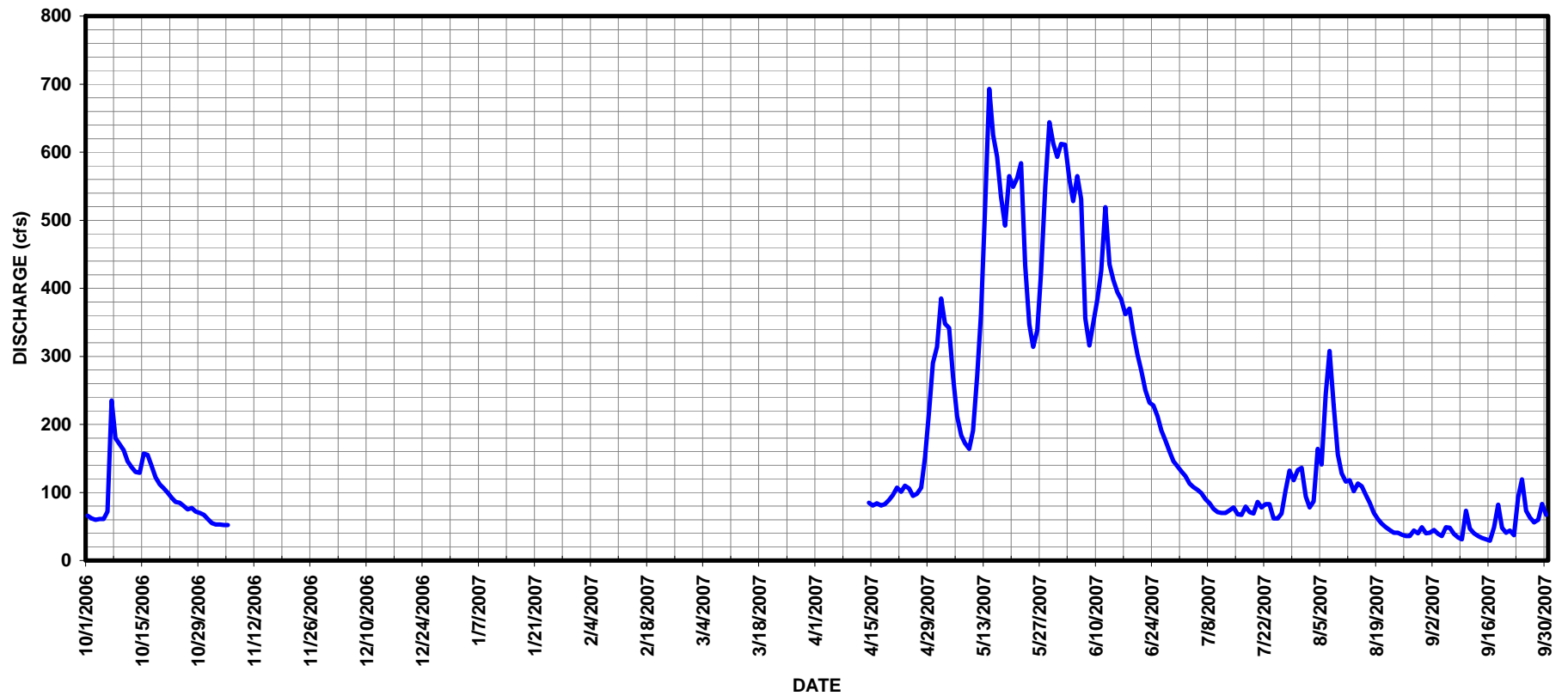
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	55	-	-	-	-	-	314	612	131	94	41
2	62	53	-	-	-	-	-	385	611	124	78	45
3	60	53	-	-	-	-	-	348	561	113	87	39
4	61	52	-	-	-	-	-	342	528	108	164	36
5	61	52	-	-	-	-	-	271	565	104	141	49
6	72	-	-	-	-	-	-	212	531	99	244	48
7	235	-	-	-	-	-	-	184	356	90	308	39
8	180	-	-	-	-	-	-	172	316	84	228	34
9	171	-	-	-	-	-	-	164	349	76	156	31
10	162	-	-	-	-	-	-	191	384	71	128	73
11	146	-	-	-	-	-	-	271	426	70	116	47
12	137	-	-	-	-	-	-	363	519	70	118	40
13	130	-	-	-	-	-	-	521	435	74	102	36
14	129	-	-	-	-	-	85	693	412	78	113	33
15	157	-	-	-	-	-	81	625	394	68	109	31
16	155	-	-	-	-	-	84	593	384	67	96	29
17	138	-	-	-	-	-	81	535	362	79	85	49
18	122	-	-	-	-	-	83	492	370	71	70	82
19	112	-	-	-	-	-	89	565	335	69	61	48
20	106	-	-	-	-	-	96	549	303	86	54	41
21	100	-	-	-	-	-	107	562	279	78	49	44
22	92	-	-	-	-	-	101	584	250	83	45	37
23	86	-	-	-	-	-	110	434	232	83	41	93
24	85	-	-	-	-	-	106	347	228	62	41	119
25	80	-	-	-	-	-	95	314	212	62	38	73
26	75	-	-	-	-	-	98	338	191	69	36	63
27	77	-	-	-	-	-	107	425	176	104	36	56
28	72	-	-	-	-	-	152	549	160	132	44	60
29	70	-	-	-	---	-	221	644	146	118	40	83
30	67	-	-	-	---	-	290	613	138	133	49	67
31	61	---	-	-	---	-	---	593	---	136	40	---
TOTAL	3327	265	-	-	-	-	1986	13193	10765	2792	3011	1566
MEAN	107	8.83	-	-	-	-	66.2	426	359	90.1	97.1	52.2
AC-FT	6600	526	-	-	-	-	3940	26170	21350	5540	5970	3110
MAX	235	55	-	-	-	-	290	693	612	136	308	119
MIN	60	52	-	-	-	-	81	164	138	62	36	29

WTR YR 2007 PERIOD OF RECORD TOTAL 36905 AC-FT 73200 (PARTIAL YEAR RECORD)

MAX DISCH: 850 CFS AT 21:45 ON May. 29, 2007 GH 5.07 FT. GH CORR. -0.03 FT. SHIFT -0.04 FT.
MAX GH: 5.04 FT. (GH CORR. -0.03 FT. APPLIED) AT 21:45 ON May. 29, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ALAMOSA RIVER BELOW RANGER CREEK CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

LOCATION.--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

DRAINAGE AREA.--107 mi².

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage height data from a float operated shaft encoder in a 4-ft. diameter metal shelter and well. Station is also equipped with an air temperature sensor. Graphic water-stage recorder is operated as a data backup. Datum of gage is 8,600 ft., from topographic map.

REMARKS.--Record is complete and reliable, except for Dec. 22-26, 2006, when the well was frozen, and Dec. 27, 2006 through Mar. 19, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 12-18, 30, Dec. 1-21, 2006. Record is good, except for the periods of ice-affected record and no gage height record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--ALATERCO17 USED FROM 01-OCT-2006 TO 30-SEP-2007

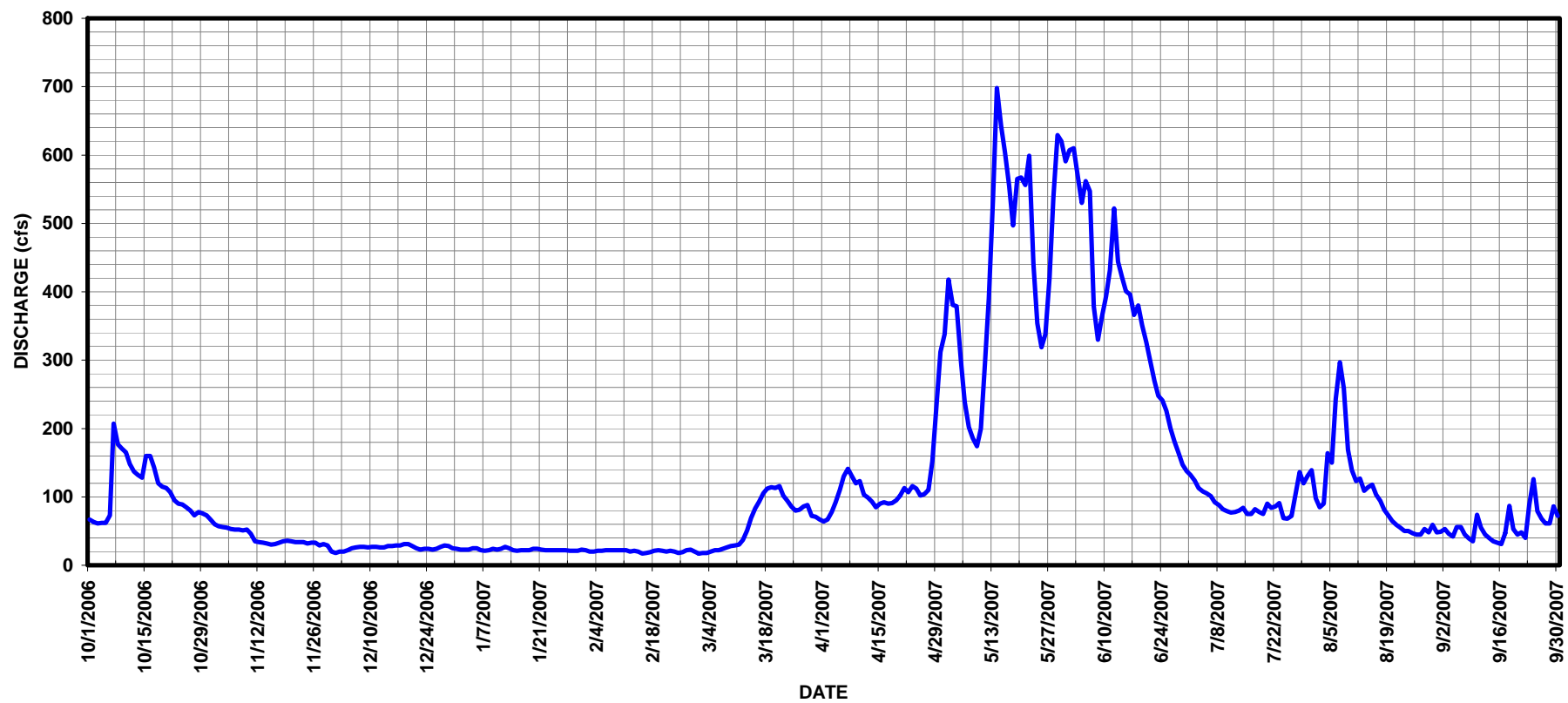
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	60	18	23	22	17	64	338	607	132	98	49
2	63	57	20	23	20	18	67	418	610	124	85	53
3	61	56	20	23	20	18	78	381	571	113	90	46
4	62	55	22	25	21	20	92	379	530	108	164	42
5	62	53	25	25	21	22	110	301	562	105	150	56
6	73	52	26	22	22	22	130	239	547	101	243	56
7	207	52	27	21	22	24	141	202	379	92	297	45
8	177	51	27	22	22	26	131	186	330	88	259	39
9	171	52	26	24	22	28	120	174	363	82	169	35
10	165	46	27	23	22	29	123	200	393	79	139	74
11	148	35	27	24	22	30	103	294	432	77	123	55
12	137	34	26	27	20	37	99	390	522	78	127	45
13	132	33	26	25	21	51	93	535	444	80	109	40
14	128	32	28	22	20	69	85	698	421	84	114	35
15	160	30	28	21	17	83	90	643	401	75	118	33
16	160	31	29	22	18	93	92	604	396	75	103	31
17	143	33	29	22	19	105	90	555	366	82	94	47
18	120	35	31	22	21	112	91	497	380	78	81	87
19	115	36	31	24	22	114	95	565	351	75	73	53
20	113	35	28	24	21	113	102	567	326	90	65	45
21	107	34	25	23	20	116	113	556	299	84	59	48
22	95	34	23	22	21	102	107	599	270	86	55	40
23	90	34	24	22	20	94	116	441	248	91	50	89
24	89	32	24	22	18	86	112	354	241	69	50	126
25	85	33	23	22	19	80	102	319	226	68	47	79
26	80	33	24	22	22	81	104	338	200	72	45	68
27	73	29	27	22	23	86	110	421	181	103	45	61
28	78	31	29	21	20	88	152	537	164	136	53	61
29	76	29	28	21	---	72	235	629	147	120	48	86
30	73	20	25	21	---	71	312	620	138	131	59	72
31	67	---	24	23	---	67	---	591	---	139	48	---
TOTAL	3377	1177	797	705	578	1974	3459	13571	11045	2917	3260	1696
MEAN	109	39.2	25.7	22.7	20.6	63.7	115	438	368	94.1	105	56.5
AC-FT	6700	2330	1580	1400	1150	3920	6860	26920	21910	5790	6470	3360
MAX	207	60	31	27	23	116	312	698	610	139	297	126
MIN	61	20	18	21	17	17	64	174	138	68	45	31
CAL YR 2006	TOTAL	33691	MEAN	92.3	MAX	599	MIN	10	AC-FT	66830		
WTR YR 2007	TOTAL	44556	MEAN	122	MAX	698	MIN	17	AC-FT	88380		

MAX DISCH: 793 CFS AT 03:00 ON May. 14, 2007 GH 2.93 FT. SHIFT -0.04 FT.
MAX GH: 2.93 FT. AT 03:00 ON May. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 6-foot square concrete aggregate shelter and 3 foot diameter concrete well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8,375 ft, from topographic map.

REMARKS.--Record is complete and reliable, except for February 1-12, 2007, when there was missing satellite data; and December 24, 2006 to January 31, 2007, and February 13 to March 6, 2007 when the well was frozen. Record is good, except for periods of no gage height record, which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--ALABELCO13 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

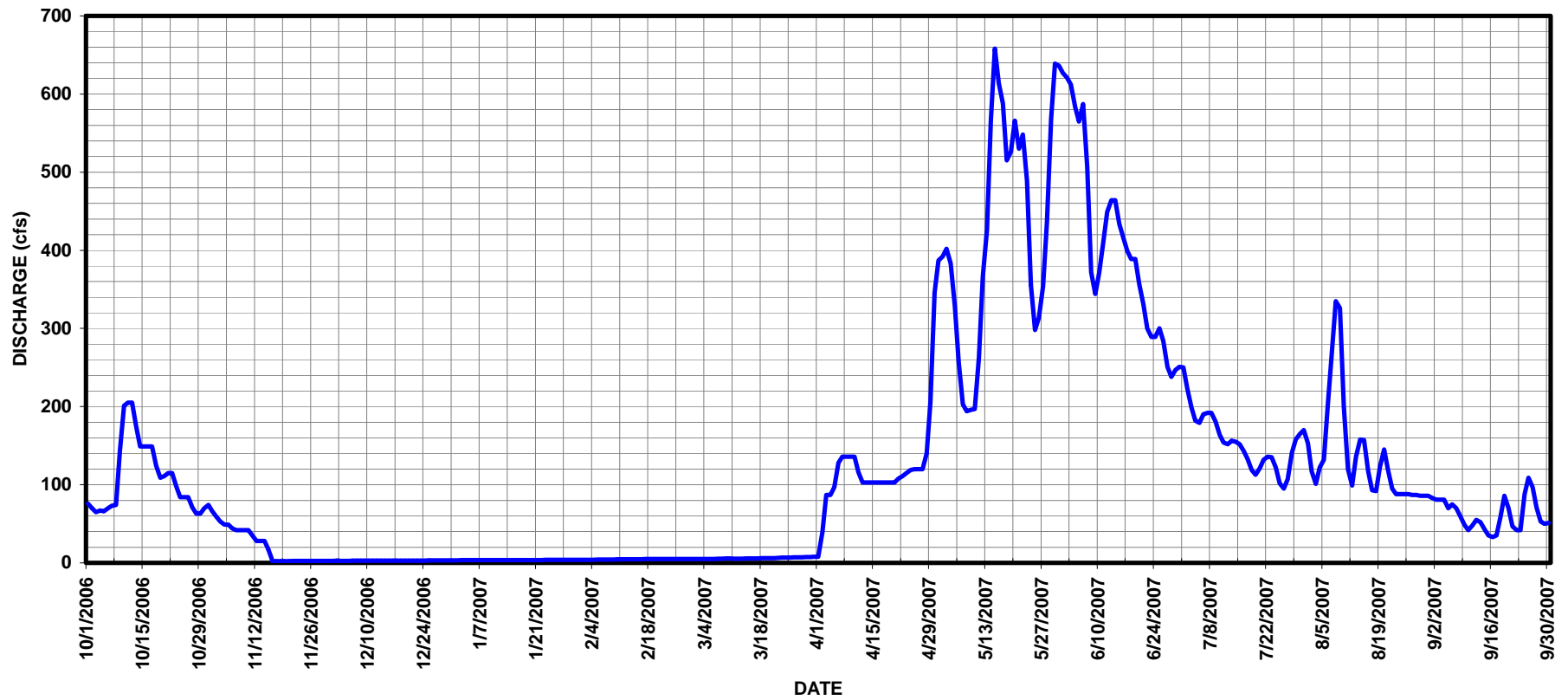
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	66	2.6	3.3	3.8	5.0	7.9	387	627	250	153	83
2	70	59	2.7	3.4	3.9	5.0	39	392	621	223	117	81
3	65	53	2.6	3.4	4.0	5.0	87	402	612	199	101	81
4	67	49	2.6	3.4	4.0	5.0	87	383	584	182	122	81
5	66	49	2.6	3.4	4.1	5.0	97	329	565	179	132	70
6	70	44	2.8	3.4	4.2	5.0	128	257	587	190	201	75
7	73	42	2.8	3.4	4.2	5.2	136	203	506	192	270	70
8	74	42	2.8	3.4	4.4	5.3	136	194	372	192	335	60
9	143	42	2.8	3.4	4.4	5.5	136	196	344	181	326	49
10	201	42	2.8	3.4	4.6	5.5	136	197	371	164	200	42
11	205	35	2.8	3.4	4.6	5.4	116	263	411	154	120	48
12	205	28	2.8	3.6	4.7	5.3	103	366	449	152	99	55
13	176	28	2.8	3.6	4.7	5.4	103	426	464	156	136	52
14	149	28	2.8	3.6	4.7	5.5	103	566	464	155	158	43
15	149	17	3.0	3.6	4.7	5.7	103	658	434	152	157	35
16	149	2.3	3.0	3.6	4.7	5.6	103	614	417	143	117	33
17	149	2.3	3.0	3.6	4.8	5.7	103	588	399	133	93	35
18	124	2.3	3.0	3.6	4.8	6.1	103	515	389	119	92	59
19	109	2.3	3.0	3.6	4.8	6.1	103	526	389	113	123	86
20	111	2.3	3.0	3.7	4.9	6.2	103	566	357	121	145	70
21	115	2.4	3.0	3.7	5.0	6.2	108	530	331	132	119	47
22	115	2.4	3.0	3.7	5.0	6.5	111	548	300	136	95	42
23	98	2.5	3.0	3.8	5.0	6.6	115	489	289	135	88	42
24	84	2.5	3.0	3.8	5.0	6.7	119	356	289	122	88	88
25	84	2.5	3.2	3.8	5.0	6.9	120	298	300	102	88	109
26	84	2.5	3.2	3.8	5.0	7.1	120	314	284	95	88	97
27	71	2.5	3.2	3.8	5.0	7.1	120	354	251	107	87	71
28	63	2.5	3.2	3.8	5.0	7.2	140	436	238	141	87	53
29	63	2.6	3.2	3.8	---	7.4	206	568	247	158	86	50
30	70	2.6	3.2	3.8	---	7.5	346	639	251	165	86	51
31	74	---	3.2	3.8	---	7.7	---	636	---	170	86	---
TOTAL	3352	660.5	90.7	111.4	129.0	185.4	3537.9	13196	12142	4813	4195	1858
MEAN	108	22.0	2.93	3.59	4.61	5.98	118	426	405	155	135	61.9
AC-FT	6650	1310	180	221	256	368	7020	26170	24080	9550	8320	3690
MAX	205	66	3.2	3.8	5.0	7.7	346	658	627	250	335	109
MIN	63	2.3	2.6	3.3	3.8	5.0	7.9	194	238	95	86	33

CAL YR	2006	TOTAL	34164.1	MEAN	93.6	MAX	617	MIN	2.3	AC-FT	67760
WTR YR	2007	TOTAL	44270.9	MEAN	121	MAX	658	MIN	2.3	AC-FT	87810

MAX DISCH: 669 CFS AT 15:45 ON May. 14, 2007 GH 4.29 FT. SHIFT 0.01 FT.
MAX GH: 4.29 FT. AT 15:45 ON May. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH NEAR CAPULIN, CO

LOCATION.--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

DRAINAGE AREA.--98 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder and precipitation data from a tipping-bucket rain gage in a 42-inch diameter CMP shelter and well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8,130 ft from topographic map.

REMARKS.--Record is complete and reliable, except for Dec. 22, 2006 through Mar. 19, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice Oct. 27, 2006, Nov. 11-30, 2006, and Dec. 1-21, 2006. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LAJCAPCO19TMP USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

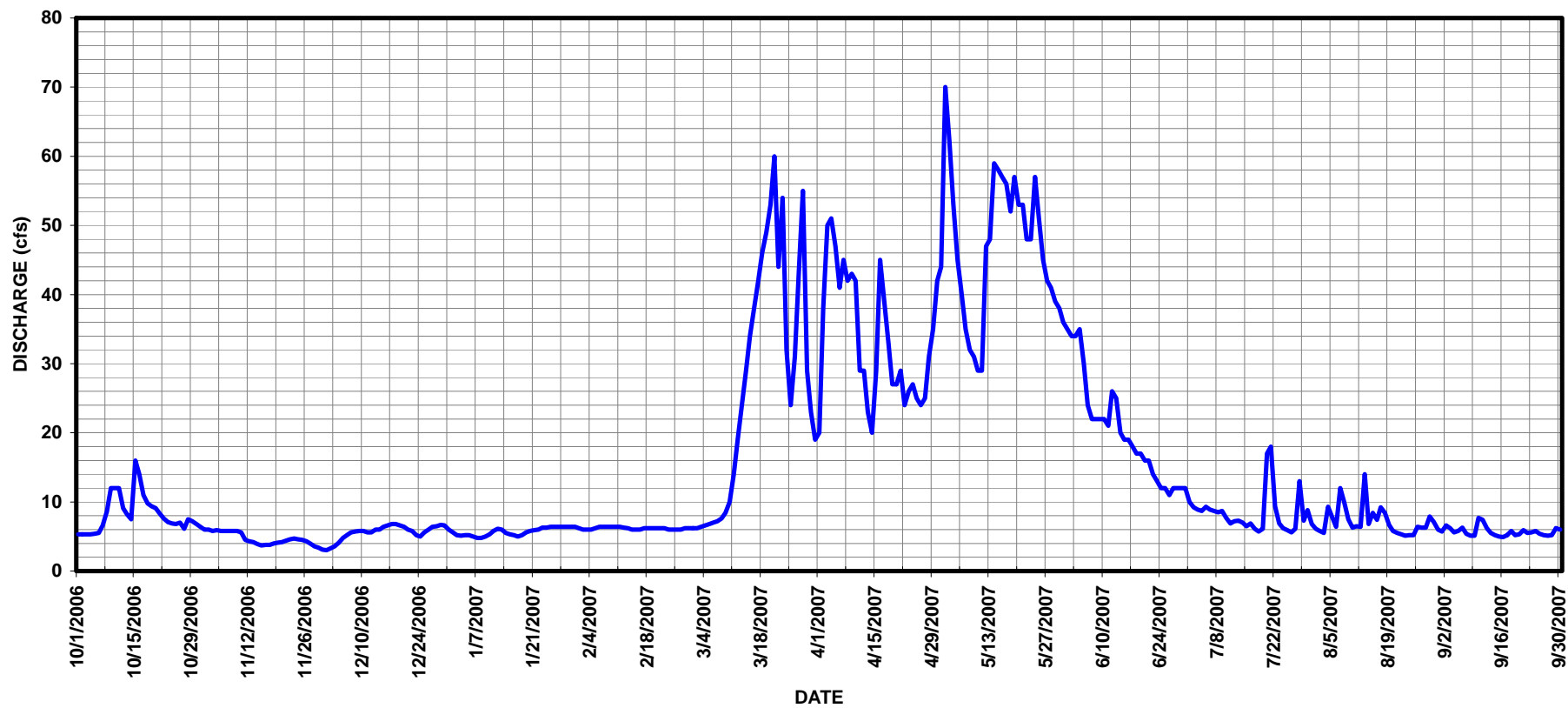
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	6.0	3.0	5.6	6.2	6.2	20	44	35	10	6.1	5.7
2	5.3	6.0	3.3	5.2	6.0	6.2	38	70	34	9.2	5.8	6.6
3	5.3	5.8	3.6	5.1	6.0	6.4	50	62	34	8.9	5.5	6.2
4	5.3	5.9	4.1	5.2	6.0	6.6	51	53	35	8.7	9.3	5.6
5	5.4	5.8	4.8	5.2	6.2	6.8	47	45	30	9.3	7.9	5.8
6	5.5	5.8	5.2	5.0	6.4	7.0	41	40	24	8.9	6.4	6.3
7	6.6	5.8	5.6	4.8	6.4	7.2	45	35	22	8.7	12	5.4
8	8.6	5.8	5.7	4.8	6.4	7.6	42	32	22	8.5	10	5.1
9	12	5.8	5.8	5.0	6.4	8.4	43	31	22	8.7	7.5	5.1
10	12	5.6	5.8	5.3	6.4	10	42	29	22	7.7	6.3	7.7
11	12	4.5	5.6	5.8	6.4	14	29	29	21	6.9	6.5	7.4
12	9.1	4.3	5.6	6.1	6.3	19	29	47	26	7.2	6.4	6.2
13	8.2	4.2	6.0	6.0	6.2	24	23	48	25	7.3	14	5.5
14	7.5	3.9	6.0	5.5	6.0	29	20	59	20	7.0	6.8	5.2
15	16	3.7	6.4	5.3	6.0	34	29	58	19	6.5	8.4	5.0
16	14	3.8	6.6	5.2	6.0	38	45	57	19	6.9	7.4	4.9
17	11	3.8	6.8	5.0	6.2	42	39	56	18	6.1	9.2	5.2
18	9.8	4.0	6.8	5.2	6.2	46	33	52	17	5.7	8.4	5.8
19	9.4	4.1	6.6	5.6	6.2	49	27	57	17	6.1	6.7	5.2
20	9.1	4.2	6.4	5.8	6.2	53	27	53	16	17	5.8	5.3
21	8.3	4.4	6.0	5.9	6.2	60	29	53	16	18	5.5	5.9
22	7.6	4.6	5.8	6.0	6.2	44	24	48	14	9.4	5.3	5.5
23	7.1	4.7	5.2	6.3	6.0	54	26	48	13	6.9	5.1	5.6
24	6.9	4.6	5.0	6.3	6.0	32	27	57	12	6.2	5.2	5.8
25	6.8	4.5	5.6	6.4	6.0	24	25	51	12	5.9	5.2	5.4
26	7.0	4.3	6.0	6.4	6.0	31	24	45	11	5.6	6.4	5.2
27	6.1	4.0	6.4	6.4	6.2	43	25	42	12	6.1	6.3	5.1
28	7.5	3.6	6.5	6.4	6.2	55	31	41	12	13	6.3	5.2
29	7.2	3.4	6.7	6.4	---	29	35	39	12	7.3	7.9	6.2
30	6.8	3.1	6.6	6.4	---	23	42	38	12	8.8	7.1	6.0
31	6.4	---	6.0	6.4	---	19	---	36	---	6.8	6.0	---
TOTAL	255.1	140.0	175.5	176.0	172.9	834.4	1008	1455	604	259.3	222.7	171.1
MEAN	8.23	4.67	5.66	5.68	6.17	26.9	33.6	46.9	20.1	8.36	7.18	5.70
AC-FT	506	278	348	349	343	1660	2000	2890	1200	514	442	339
MAX	16	6.0	6.8	6.4	6.4	60	51	70	35	18	14	7.7
MIN	5.3	3.1	3.0	4.8	6.0	6.2	20	29	11	5.6	5.1	4.9

CAL YR	2006	TOTAL	3652	MEAN	10.0	MAX	42	MIN	3	AC-FT	7244
WTR YR	2007	TOTAL	5474	MEAN	15	MAX	70	MIN	3	AC-FT	10860

MAX DISCH: 106 CFS AT 18:30 ON Jul. 20, 2007 GH 2.04 FT. GH CORR. 0.01 FT. SHIFT 0.03 FT.
MAX GH: 2.05 FT. (GH CORR. 0.01 FT. APPLIED) AT 18:30 ON Jul. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08238000 LA JARA CREEK AT GALLEGOS RANCH NEAR CAPULIN CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO

LOCATION.--Lat 37°17'54", long 105°51'00, SW¼SW¼ sec. 2, T.35 N., R.10 E., Conejos County, Hydrologic Unit 13100002, on right bank of ditch.

DRAINAGE AREA.--N/A

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a steel shelter and a 24-inch diameter CMP well at a three-foot Parshall Flume. A graphic water-stage recorder is operated as a data backup.

REMARKS.--Record is complete and reliable, except for November 22, 2006 through March 13, 2007, when station was closed for the winter. Stage-discharge relation was affected by ice November 11, 13-21, 2006, and March 29, 2007. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

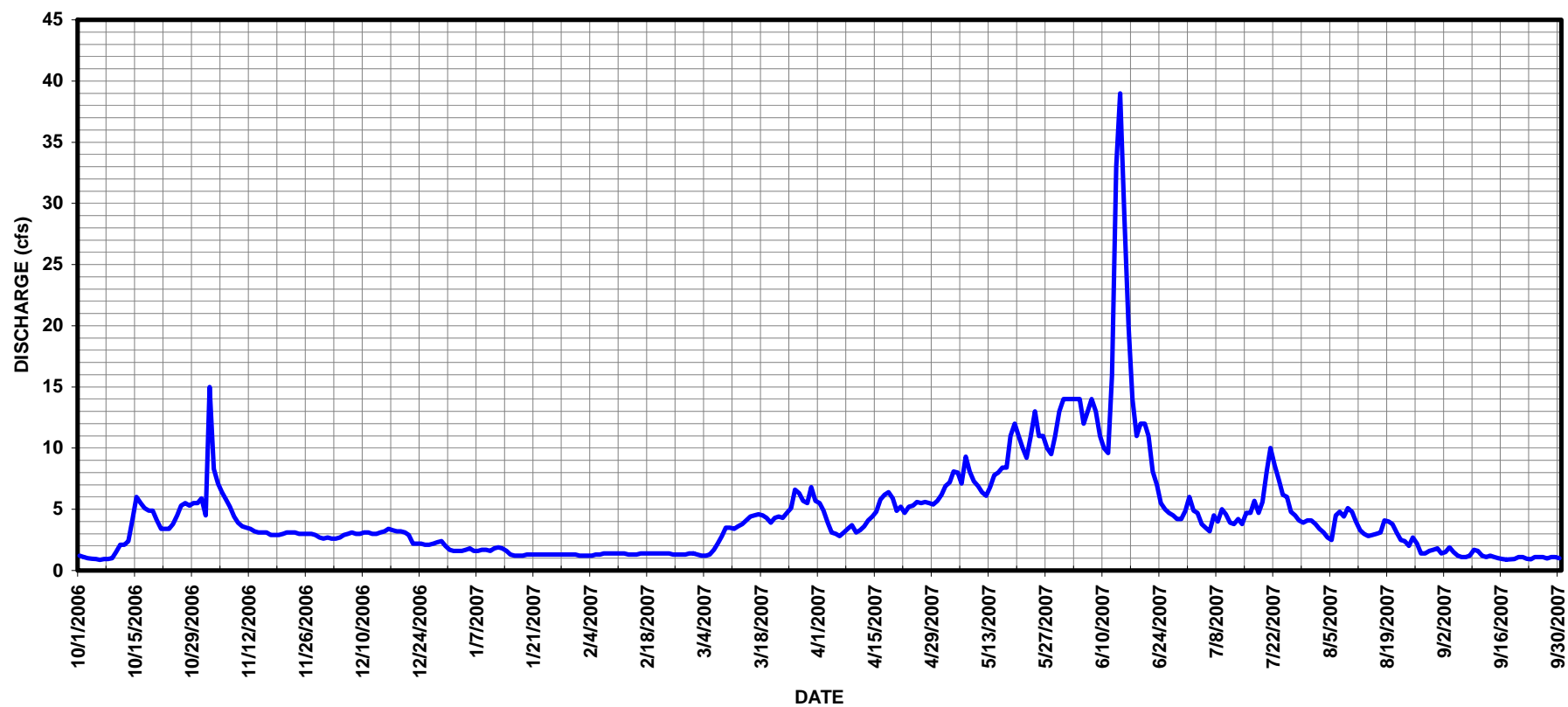
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	4.5	2.7	1.6	1.2	1.4	5.5	6.2	14	6.0	3.8	1.4
2	1.1	15	2.6	1.6	1.2	1.3	4.9	6.9	14	4.9	3.4	1.5
3	1.0	8.3	2.6	1.6	1.2	1.2	3.9	7.2	14	4.7	3.1	1.9
4	.97	7.1	2.7	1.7	1.2	1.2	3.1	8.1	14	3.8	2.7	1.5
5	.93	6.4	2.9	1.8	1.3	1.3	3.0	8.0	12	3.5	2.5	1.2
6	.87	5.8	3.0	1.6	1.3	1.7	2.8	7.1	13	3.2	4.5	1.1
7	.93	5.2	3.1	1.6	1.4	2.2	3.1	9.3	14	4.5	4.8	1.1
8	.93	4.4	3.0	1.7	1.4	2.8	3.4	8.1	13	4.0	4.4	1.2
9	1.0	3.9	3.0	1.7	1.4	3.5	3.7	7.3	11	5.0	5.1	1.7
10	1.5	3.6	3.1	1.6	1.4	3.5	3.1	6.9	10	4.6	4.8	1.6
11	2.1	3.5	3.1	1.8	1.4	3.4	3.3	6.4	9.6	3.9	4.0	1.2
12	2.1	3.4	3.0	1.9	1.4	3.6	3.6	6.1	16	3.8	3.3	1.1
13	2.4	3.2	3.0	1.8	1.3	3.8	4.1	6.8	33	4.2	3.0	1.2
14	4.2	3.1	3.1	1.6	1.3	4.1	4.4	7.8	39	3.8	2.8	1.1
15	6.0	3.1	3.2	1.3	1.3	4.4	4.8	8.0	29	4.7	2.9	1.0
16	5.5	3.1	3.4	1.2	1.4	4.5	5.8	8.4	20	4.7	3.0	.93
17	5.1	2.9	3.3	1.2	1.4	4.6	6.2	8.4	14	5.7	3.1	.90
18	4.9	2.9	3.2	1.2	1.4	4.5	6.4	11	11	4.7	4.1	.91
19	4.9	2.9	3.2	1.3	1.4	4.3	5.9	12	12	5.6	4.0	.94
20	4.1	3.0	3.1	1.3	1.4	3.9	4.9	11	12	8.1	3.8	1.1
21	3.4	3.1	2.9	1.3	1.4	4.3	5.2	10	11	10	3.1	1.1
22	3.4	3.1	2.2	1.3	1.4	4.4	4.7	9.2	8.1	8.6	2.5	.97
23	3.4	3.1	2.2	1.3	1.4	4.3	5.2	11	7.0	7.4	2.4	.92
24	3.8	3.0	2.2	1.3	1.3	4.7	5.3	13	5.5	6.2	2.0	1.1
25	4.5	3.0	2.1	1.3	1.3	5.1	5.6	11	5.0	6.0	2.7	1.1
26	5.3	3.0	2.1	1.3	1.3	6.6	5.5	11	4.7	4.8	2.2	1.1
27	5.5	3.0	2.2	1.3	1.3	6.3	5.6	10	4.5	4.5	1.4	.99
28	5.3	2.9	2.3	1.3	1.4	5.7	5.5	9.5	4.2	4.1	1.4	1.1
29	5.5	2.7	2.4	1.3	---	5.5	5.4	11	4.2	3.9	1.6	1.1
30	5.5	2.6	2.0	1.3	---	6.8	5.7	13	4.9	4.1	1.7	1.0
31	5.9	---	1.7	1.3	---	5.7	---	14	---	4.1	1.8	---
TOTAL	103.23	124.8	84.6	45.4	37.5	120.6	139.6	283.7	383.7	157.1	95.9	35.06
MEAN	3.33	4.16	2.73	1.46	1.34	3.89	4.65	9.15	12.8	5.07	3.09	1.17
AC-FT	205	248	168	90	74	239	277	563	761	312	190	70
MAX	6.0	15	3.4	1.9	1.4	6.8	6.4	14	39	10	5.1	1.9
MIN	.87	2.6	1.7	1.2	1.2	1.2	2.8	6.1	4.2	3.2	1.4	.90

CAL YR	2006	TOTAL	1150.4	MEAN	3.15	MAX	17	MIN	.47	AC-FT	2280
WTR YR	2007	TOTAL	1611.19	MEAN	4.41	MAX	39	MIN	.87	AC-FT	3200

MAX DISCH: 45.8 CFS AT 22:30 ON Jun. 13, 2007 GH 2.46 FT. SHIFT -0.11 FT.
MAX GH: 2.46 FT. AT 22:30 ON Jun. 13, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES CO
WY2007 HYDROGRAPH**



RIO GRANDE BASIN
NORTON DRAIN NEAR LA SAUSES, CO

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 36-inch diameter CMP shelter and well at a six-foot Parshall Flume. A graphic water-stage recorder is operated as a data backup. Note: On September 27, 2007 the flume was modified with steel ramp inserts to increase sensitivity and eliminate gage isolation at low flows.

REMARKS.--Record is complete and reliable, except for Nov. 22, 2006 - Mar. 13, 2007, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 11, 13-21, 2006. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORDLSCO03 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

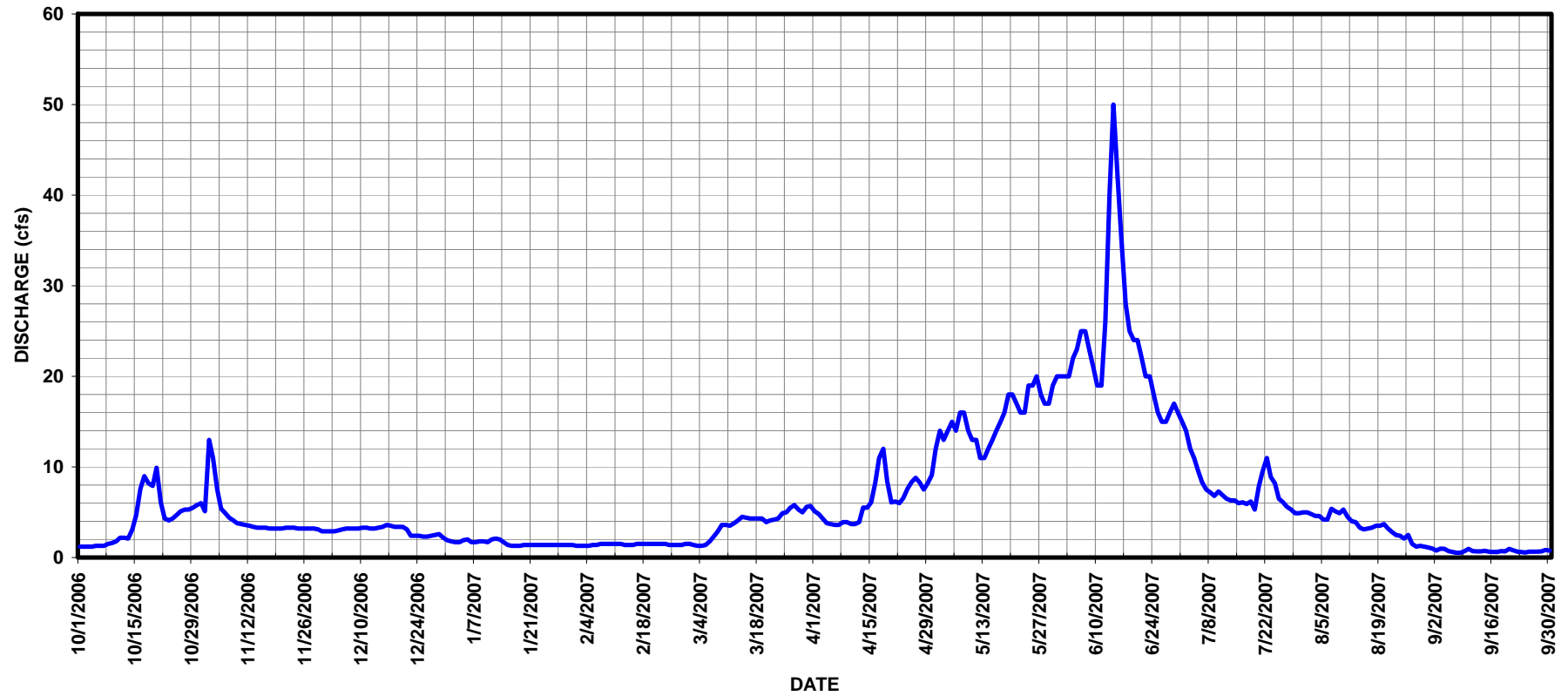
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	5.1	2.9	1.8	1.3	1.5	5.1	12	20	15	5.0	.98
2	1.2	13	2.9	1.7	1.3	1.4	4.8	14	20	14	4.8	.78
3	1.2	11	2.9	1.7	1.3	1.3	4.3	13	20	12	4.6	1.0
4	1.2	7.5	3.0	1.9	1.3	1.3	3.8	14	22	11	4.6	.94
5	1.3	5.4	3.1	2.0	1.4	1.4	3.7	15	23	9.5	4.2	.71
6	1.3	4.9	3.2	1.7	1.4	1.8	3.6	14	25	8.3	4.2	.61
7	1.3	4.4	3.2	1.7	1.5	2.3	3.6	16	25	7.5	5.4	.53
8	1.5	4.1	3.2	1.8	1.5	2.9	3.9	16	23	7.2	5.1	.52
9	1.6	3.8	3.2	1.8	1.5	3.6	3.9	14	21	6.8	4.9	.70
10	1.8	3.7	3.3	1.7	1.5	3.6	3.7	13	19	7.3	5.3	.95
11	2.2	3.6	3.3	2.0	1.5	3.5	3.7	13	19	6.9	4.5	.72
12	2.2	3.5	3.2	2.1	1.5	3.8	3.9	11	26	6.5	4.0	.68
13	2.1	3.4	3.2	2.0	1.4	4.1	5.5	11	40	6.3	3.9	.68
14	3.1	3.3	3.3	1.7	1.4	4.5	5.5	12	50	6.3	3.3	.74
15	4.7	3.3	3.4	1.4	1.4	4.4	6.1	13	42	6.0	3.1	.64
16	7.6	3.3	3.6	1.3	1.5	4.3	8.3	14	35	6.1	3.2	.61
17	9.0	3.2	3.5	1.3	1.5	4.3	11	15	28	5.9	3.3	.63
18	8.2	3.2	3.4	1.3	1.5	4.3	12	16	25	6.2	3.5	.71
19	7.9	3.2	3.4	1.4	1.5	4.3	8.4	18	24	5.3	3.5	.69
20	9.9	3.2	3.4	1.4	1.5	3.9	6.1	18	24	7.9	3.7	.95
21	6.1	3.3	3.1	1.4	1.5	4.1	6.2	17	22	9.6	3.2	.81
22	4.3	3.3	2.4	1.4	1.5	4.2	6.0	16	20	11	2.8	.64
23	4.1	3.3	2.4	1.4	1.5	4.3	6.6	16	20	8.9	2.5	.61
24	4.3	3.2	2.4	1.4	1.4	4.9	7.6	19	18	8.2	2.4	.56
25	4.7	3.2	2.3	1.4	1.4	5.0	8.3	19	16	6.5	2.1	.64
26	5.1	3.2	2.3	1.4	1.4	5.5	8.8	20	15	6.1	2.5	.64
27	5.3	3.2	2.4	1.4	1.4	5.8	8.3	18	15	5.6	1.5	.66
28	5.3	3.2	2.5	1.4	1.5	5.3	7.5	17	16	5.3	1.2	.68
29	5.5	3.1	2.6	1.4	---	5.0	8.2	17	17	4.9	1.3	.83
30	5.8	2.9	2.2	1.4	---	5.6	9.1	19	16	4.9	1.2	.76
31	6.0	---	1.9	1.4	---	5.7	---	20	---	5.0	1.1	---
TOTAL	127.0	128.0	91.1	49.1	40.3	117.9	187.5	480	706	238.0	105.9	21.60
MEAN	4.10	4.27	2.94	1.58	1.44	3.80	6.25	15.5	23.5	7.68	3.42	.72
AC-FT	252	254	181	97	80	234	372	952	1400	472	210	43
MAX	9.9	13	3.6	2.1	1.5	5.8	12	20	50	15	5.4	1.0
MIN	1.2	2.9	1.9	1.3	1.3	1.3	3.6	11	15	4.9	1.1	.52

CAL YR	2006	TOTAL	1524.87	MEAN	4.18	MAX	21	MIN	.52	AC-FT	3020
WTR YR	2007	TOTAL	2292.4	MEAN	6.28	MAX	50	MIN	.52	AC-FT	4550

MAX DISCH: 52.4 CFS AT 03:45 ON Jun. 14, 2007 GH 1.56 FT. SHIFT 0.07 FT.
MAX GH: 1.56 FT. AT 03:45 ON Jun. 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

NORTON DRAIN NEAR LA SAUSES CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK NEAR LASAUSES, CO

LOCATION.--Lat 37°18'58", long 105°44'32", in sec. 35, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 0.2 mi upstream from the historical channel of Trinchera Creek, 3.2 mi north of Lasasuses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--5,740 mi²., approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Co. May 1936 to current year. Water quality data from 1993 to 1996.

GAGE.--Graphic water-stage recorder, shaft encoder, and Sutron satellite monitoring equipment in a 7 ft. by 7 ft. exposed aggregate building with 4 ft. diameter concrete well. Elevation of gage is 7,500 ft, estimated from nearby level lines. Although the name of the station is Rio Grande above Mouth of Trinchera Creek, over a period of years Trinchera Creek has shifted allowing the majority of Trinchera Creek water to enter the Rio Grande River above the station.

REMARKS.--Record is complete and reliable, except for Dec. 4-20, 2006, when well was frozen; Dec. 21, 2006 through Mar. 13, 2007, when the station was closed for the winter; and April 13-26, June 28-July 12, 2007, when the inlets were temporarily plugging and naturally flushing. Stage-discharge relation was affected by ice Nov. 14-16, 28-30, December 1-3, 2006. Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOTRICO12 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

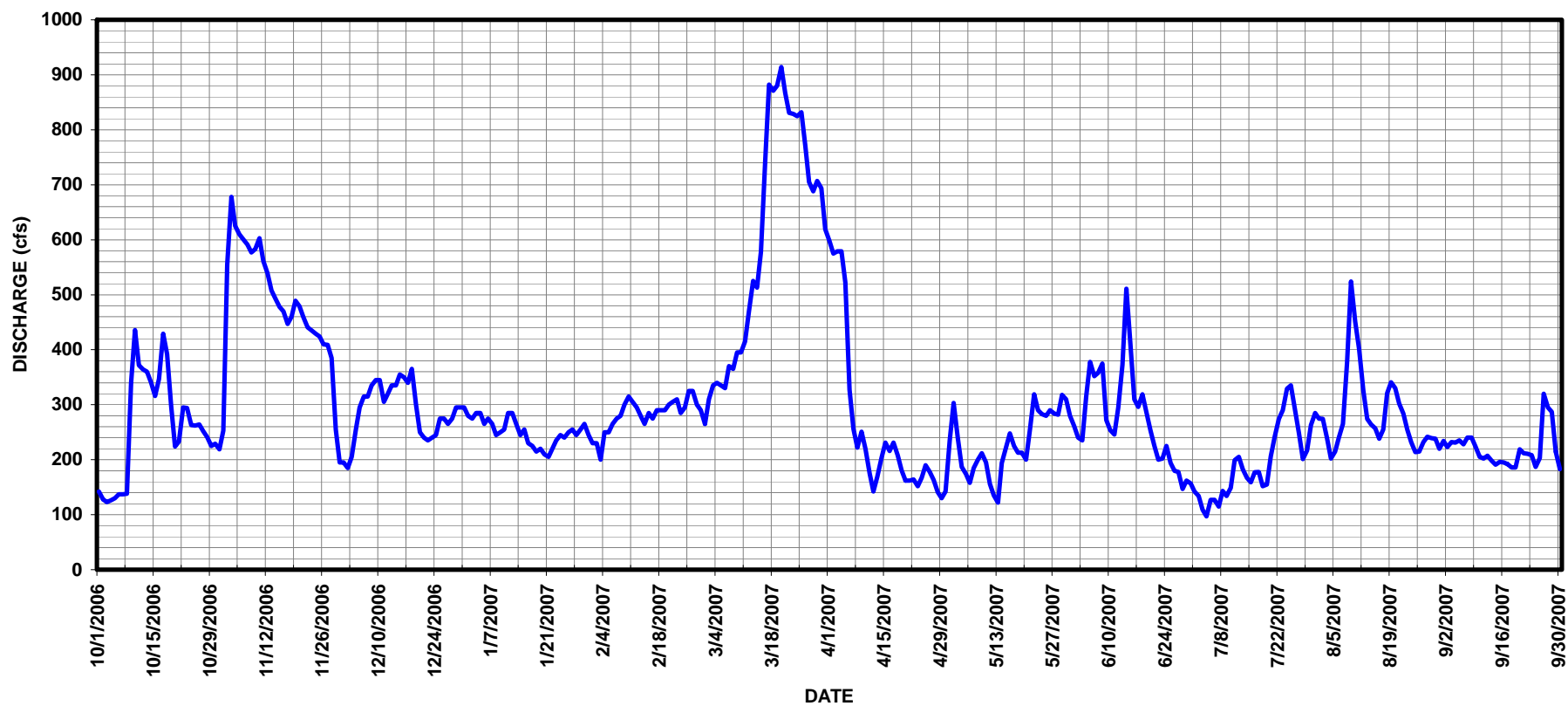
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	253	195	280	230	265	598	235	261	142	275	234
2	128	555	185	275	230	310	575	303	240	134	274	223
3	123	678	205	285	200	335	579	239	235	109	239	232
4	126	625	255	285	250	340	579	187	315	97	202	231
5	130	610	295	265	250	335	522	174	378	127	215	235
6	137	601	315	275	265	330	327	158	352	127	241	228
7	137	591	315	265	275	370	256	185	358	115	265	240
8	138	577	335	245	280	365	222	200	375	143	378	240
9	340	583	345	250	300	395	251	212	272	134	524	224
10	436	603	345	255	315	395	220	195	254	149	451	205
11	372	561	305	285	305	415	175	156	246	199	401	202
12	364	539	320	285	295	470	142	135	295	205	326	207
13	360	508	335	265	280	525	169	122	373	183	274	198
14	340	493	335	245	265	513	203	194	511	167	264	191
15	316	478	355	255	285	578	231	222	410	159	257	196
16	347	470	350	230	275	740	216	248	310	177	238	195
17	429	447	340	225	290	882	231	225	296	178	255	192
18	392	460	365	215	290	871	208	213	319	152	321	186
19	298	489	300	220	290	880	181	213	287	155	341	186
20	224	479	250	210	300	914	162	200	253	206	330	219
21	233	459	240	205	305	867	162	255	225	242	302	212
22	295	441	235	220	310	831	164	319	200	274	284	211
23	294	435	240	235	285	829	152	290	202	290	255	208
24	263	429	245	245	295	825	167	283	225	329	232	187
25	262	424	275	240	325	832	190	280	194	335	214	203
26	264	410	275	250	325	771	178	290	180	293	215	320
27	252	409	265	255	300	705	163	284	178	248	232	295
28	241	385	275	245	290	688	141	282	147	201	242	287
29	225	255	295	255	---	707	130	318	162	217	239	215
30	229	195	295	265	---	694	142	310	157	263	238	183
31	219	---	295	245	---	619	---	280	---	285	220	---
TOTAL	8056	14442	8980	7775	7905	18596	7636	7207	8210	6035	8744	6585
MEAN	260	481	290	251	282	600	255	232	274	195	282	220
AC-FT	15980	28650	17810	15420	15680	36890	15150	14300	16280	11970	17340	13060
MAX	436	678	365	285	325	914	598	319	511	335	524	320
MIN	123	195	185	205	200	265	130	122	147	97	202	183

CAL YR	2006	TOTAL	76539	MEAN	210	MAX	678	MIN	73	AC-FT	151800
WTR YR	2007	TOTAL	110171	MEAN	302	MAX	914	MIN	97	AC-FT	218500

MAX DISCH: 926 CFS AT 01:15 ON Mar. 20, 2007 GH 4.59 FT. SHIFT 0.08 FT.
MAX GH: 4.59 FT. AT 01:15 ON Mar. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK NEAR LASAUSES CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO

LOCATION.--Lat 37°22'16", long 105°17'05", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 6 ft. by 6 ft. exposed aggregate shelter and 3 ft. concrete well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8,520 ft, from topographic map.

REMARKS.--Record is complete and reliable, except for Dec. 1-6, 2006, when floats were affected by ice in well; and Dec. 7, 2006 to Mar. 16, 2007, when the station was closed for the winter. The stage-discharge relation was affected by ice Nov. 14-18, 30, 2006, and Mar. 30, 31, 2007. Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRITURCO14 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

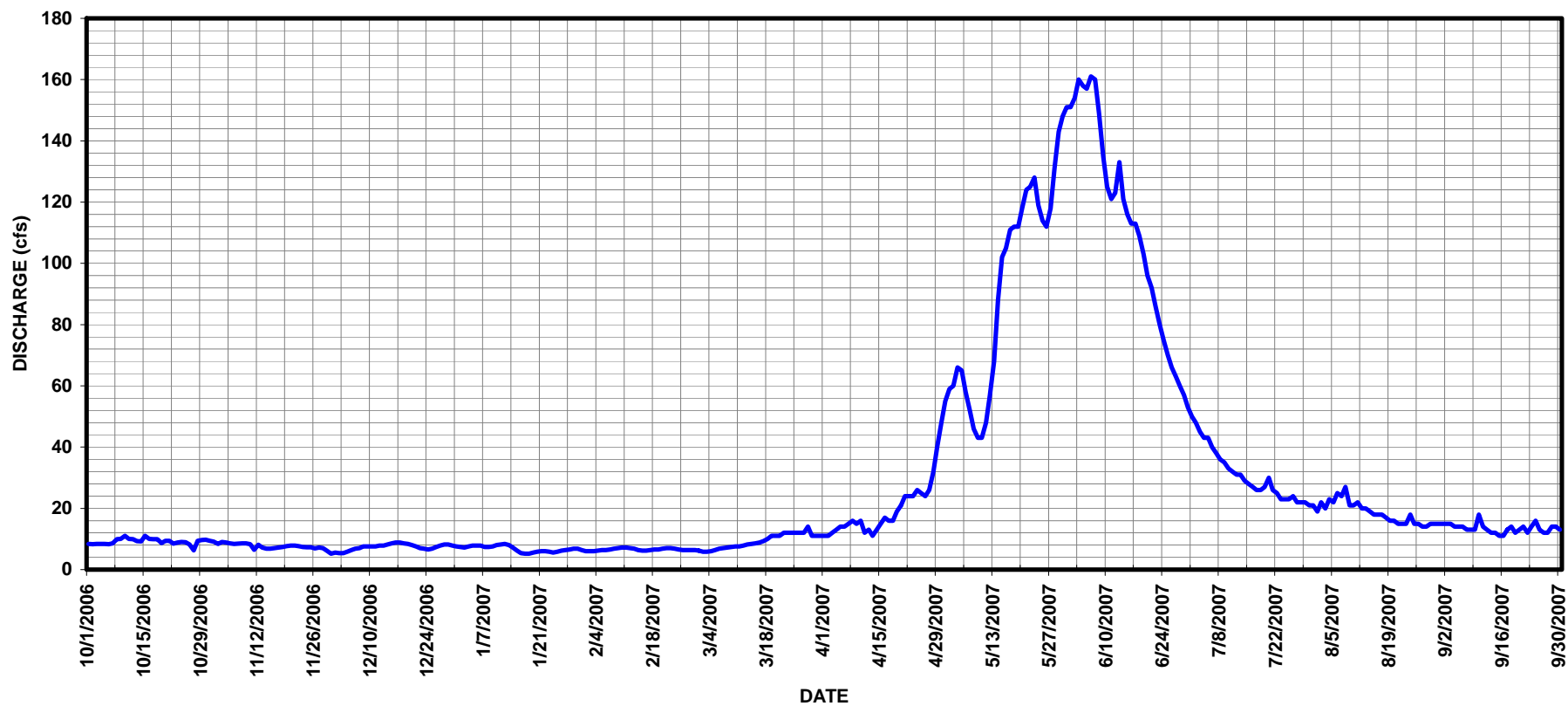
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	9.1	5.6	7.4	6.0	6.2	11	55	151	50	19	15
2	8.3	8.4	5.4	7.2	6.0	5.8	11	59	154	48	22	15
3	8.4	9.0	5.4	7.6	6.0	5.8	12	60	160	45	20	15
4	8.4	8.8	5.8	7.8	6.2	6.0	13	66	158	43	23	14
5	8.4	8.6	6.4	7.8	6.4	6.4	14	65	157	43	22	14
6	8.3	8.4	6.8	7.8	6.4	6.8	14	58	161	40	25	14
7	8.6	8.5	7.0	7.4	6.6	7.0	15	52	160	38	24	13
8	9.9	8.6	7.6	7.4	6.8	7.2	16	46	149	36	27	13
9	10	8.6	7.6	7.6	7.0	7.4	15	43	135	35	21	13
10	11	8.3	7.6	8.0	7.2	7.6	16	43	125	33	21	18
11	10	6.5	7.6	8.2	7.2	7.6	12	48	121	32	22	14
12	9.9	8.1	7.8	8.4	7.0	7.8	13	57	123	31	20	13
13	9.3	7.2	7.8	8.0	6.8	8.2	11	68	133	31	20	12
14	9.2	6.8	8.2	7.2	6.4	8.4	13	88	121	29	19	12
15	11	6.8	8.6	6.2	6.2	8.6	15	102	116	28	18	11
16	10	7.0	8.8	5.4	6.2	8.8	17	105	113	27	18	11
17	9.9	7.2	8.8	5.2	6.4	9.3	16	111	113	26	18	13
18	9.9	7.4	8.6	5.2	6.6	10	16	112	109	26	17	14
19	8.7	7.7	8.4	5.6	6.6	11	19	112	103	27	16	12
20	9.4	7.8	8.0	5.8	6.8	11	21	118	96	30	16	13
21	9.4	7.8	7.6	6.0	7.0	11	24	124	92	26	15	14
22	8.5	7.7	7.0	6.0	7.0	12	24	125	86	25	15	12
23	8.8	7.4	6.8	5.8	6.8	12	24	128	80	23	15	14
24	9.0	7.3	6.6	5.6	6.6	12	26	119	75	23	18	16
25	8.9	7.3	6.8	5.8	6.4	12	25	114	70	23	15	13
26	8.2	6.9	7.4	6.2	6.4	12	24	112	66	24	15	12
27	6.3	7.2	7.8	6.4	6.4	12	26	118	63	22	14	12
28	9.4	7.0	8.2	6.6	6.4	14	32	131	60	22	14	14
29	9.7	6.1	8.2	6.8	---	11	40	143	57	22	15	14
30	9.8	5.2	7.8	6.8	---	11	48	148	53	21	15	13
31	9.4	---	7.6	6.4	---	11	---	151	---	21	15	---
TOTAL	284.4	228.7	229.6	209.6	183.8	286.9	583	2881	3360	950	574	403
MEAN	9.17	7.62	7.41	6.76	6.56	9.25	19.4	92.9	112	30.6	18.5	13.4
AC-FT	564	454	455	416	365	569	1160	5710	6660	1880	1140	799
MAX	11	9.1	8.8	8.4	7.2	14	48	151	161	50	27	18
MIN	6.3	5.2	5.4	5.2	6.0	5.8	11	43	53	21	14	11

CAL YR	2006	TOTAL	3172.7	MEAN	8.69	MAX	16	MIN	5.0	AC-FT	6290
WTR YR	2007	TOTAL	10174	MEAN	27.9	MAX	161	MIN	5.2	AC-FT	20180

MAX DISCH: 167 CFS AT 22:15 ON Jun. 6, 2007 GH 4.73 FT. SHIFT 0.01 FT.
MAX GH: 4.73 FT. AT 22:15 ON Jun. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH NEAR FORT GARLAND CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

LOCATION.--Lat 37°23'41", long 105°22'09", SW¼NE¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi².

GAGE.--The primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 4-ft. diameter corrugated metal shelter and well. A graphic water-stage recorder is operated as a data backup.

REMARKS.--Record is complete and reliable, except for Nov. 16, 17, 20-30, Dec. 1-7, 2006, April 18, 19, May 3, 4, 2007, when the inlets were plugged. Stage-discharge relation was affected by ice Dec. 8-31, 2006, Jan. 1-3, 14-21, Feb. 2, 2007. Control was submerged from backwater Oct. 4-20, 2006, May 2 to Aug. 21, 2007 from beaver dams below the control and deposition of sediment. Record is good, except for periods of no gage-height, ice affected, and backwater affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRIMTNC07 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

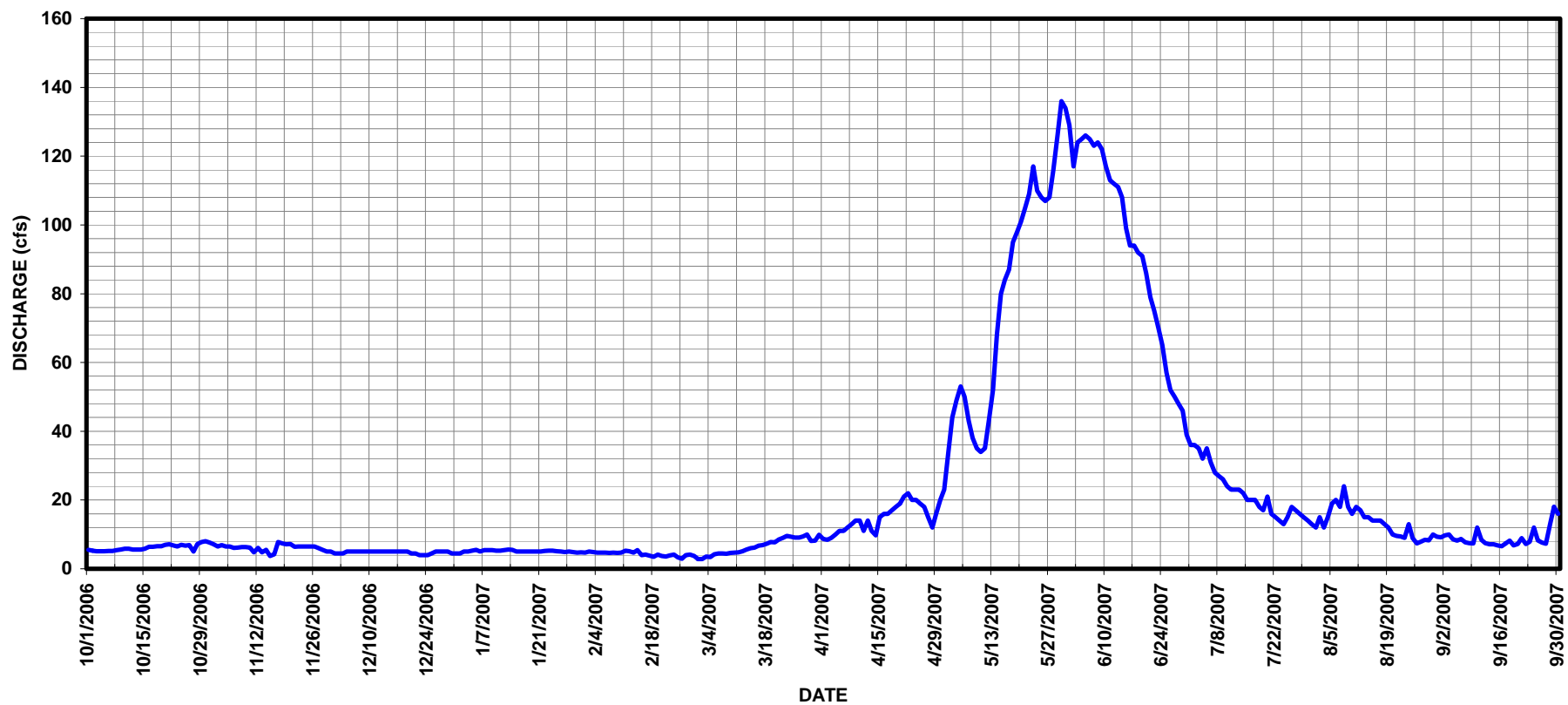
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	7.1	4.5	4.5	4.7	2.8	8.7	23	129	36	12	9.2
2	5.3	6.5	4.5	5.0	5.0	2.8	8.4	34	117	36	15	9.7
3	5.1	6.9	4.5	5.0	4.9	3.6	9.0	44	124	35	12	10
4	5.1	6.5	5.0	5.3	4.7	3.4	10	49	125	32	15	8.6
5	5.1	6.5	5.0	5.5	4.7	4.2	11	53	126	35	19	8.2
6	5.2	6.1	5.0	5.0	4.7	4.5	11	50	125	31	20	8.7
7	5.2	6.2	5.0	5.4	4.6	4.5	12	43	123	28	18	7.7
8	5.4	6.3	5.0	5.4	4.7	4.4	13	38	124	27	24	7.5
9	5.6	6.3	5.0	5.4	4.6	4.6	14	35	122	26	18	7.4
10	5.8	6.2	5.0	5.3	4.7	4.7	14	34	117	24	16	12
11	5.8	4.8	5.0	5.3	5.3	4.8	11	35	113	23	18	8.4
12	5.6	6.1	5.0	5.4	5.1	5.1	14	43	112	23	17	7.5
13	5.6	4.8	5.0	5.6	4.7	5.6	11	52	111	23	15	7.1
14	5.6	5.5	5.0	5.5	5.4	6.0	9.7	68	108	22	15	7.1
15	5.8	3.7	5.0	5.0	4.0	6.2	15	80	99	20	14	6.8
16	6.4	4.2	5.0	5.0	4.1	6.7	16	84	94	20	14	6.6
17	6.4	7.8	5.0	5.0	3.8	6.9	16	87	94	20	14	7.4
18	6.6	7.4	5.0	5.0	3.5	7.3	17	95	92	18	13	8.2
19	6.6	7.1	5.0	5.0	4.1	7.8	18	98	91	17	12	6.8
20	7.0	7.2	4.5	5.0	3.7	7.7	19	101	86	21	10	7.2
21	7.1	6.4	4.5	5.0	3.6	8.5	21	105	79	16	9.6	8.9
22	6.8	6.5	4.0	5.2	3.9	9.0	22	109	75	15	9.4	7.2
23	6.5	6.5	4.0	5.3	4.1	9.6	20	117	70	14	9.0	7.9
24	7.0	6.5	4.0	5.3	3.3	9.3	20	110	65	13	13	12
25	6.7	6.5	4.5	5.1	2.9	9.1	19	108	57	15	8.9	8.3
26	6.9	6.5	5.0	5.0	4.0	9.1	18	107	52	18	7.4	7.6
27	5.0	6.0	5.0	4.9	4.1	9.4	15	108	50	17	7.9	7.3
28	7.2	5.5	5.0	5.0	3.7	10	12	116	48	16	8.4	13
29	7.8	5.0	5.0	4.9	---	8.1	16	126	46	15	8.3	18
30	8.0	5.0	4.5	4.7	---	8.2	20	136	39	14	10	16
31	7.6	---	4.5	4.8	---	9.9	---	134	---	13	9.3	---
TOTAL	191.3	183.6	148.0	158.8	120.6	203.8	440.8	2422	2813	683	412.2	268.3
MEAN	6.17	6.12	4.77	5.12	4.31	6.57	14.7	78.1	93.8	22.0	13.3	8.94
AC-FT	379	364	294	315	239	404	874	4800	5580	1350	818	532
MAX	8.0	7.8	5.0	5.6	5.4	10	22	136	129	36	24	18
MIN	5.0	3.7	4.0	4.5	2.9	2.8	8.4	23	39	13	7.4	6.6

CAL YR	2006	TOTAL	1919	MEAN	5.26	MAX	11	MIN	1.6	AC-FT	3810
WTR YR	2007	TOTAL	8045.4	MEAN	22	MAX	136	MIN	2.8	AC-FT	15960

MAX DISCH: 144 CFS AT 01:15 ON Jun. 1, 2007 GH 3.15 FT. SHIFT 'c' (-1.31) FT.
MAX GH: 3.15 FT. AT 01:15 ON Jun. 1, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at ice house road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

DRAINAGE AREA.--190 mi².

GAGE.--The primary record is an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 48-inch diameter CMP shelter and well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 7,900 ft, from topographic map.

REMARKS.--Record is complete and reliable, except for Jan. 16-27, 2007, when the floats were frozen in the well. Stage-discharge relation was affected by ice Nov. 30, Dec. 1-5, 8, 9, 12, 13, 20-26, 31, 2006, Jan. 1-4, 6, 7, 9, 12-15, 28-31, Feb. 1-28, Mar. 1-5, 2007. Stage-discharge relation was affected by backwater at the gage caused by beaver dams below the gage Oct. 2-13, 2006, Sep. 10-14, 18-22, 2007. Record is good, except for periods of no gage-height, ice affected, and backwater affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANFTGCO18 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	7.7	3.0	6.5	5.0	6.5	29	99	37	18	11	2.5
2	2.9	7.0	3.0	6.5	5.0	6.0	28	126	35	17	11	2.7
3	2.9	6.6	3.0	6.5	5.0	7.0	30	135	34	17	12	4.0
4	3.1	6.5	4.0	6.5	5.0	9.0	31	125	33	17	9.8	3.1
5	3.4	6.5	5.0	6.6	5.0	11	33	122	32	17	9.8	2.7
6	3.4	6.4	5.2	6.5	6.0	12	34	110	30	16	12	2.3
7	3.6	6.2	5.4	6.5	6.0	14	32	102	28	16	12	1.2
8	4.0	6.2	5.5	6.6	6.0	14	35	92	27	16	10	1.3
9	6.0	6.1	5.5	6.5	6.5	17	39	82	25	17	8.5	1.2
10	8.5	5.9	5.5	6.3	7.0	19	37	75	24	16	7.3	1.4
11	9.0	5.2	5.7	6.2	7.0	18	31	71	22	15	6.6	1.3
12	7.5	5.4	5.8	6.0	7.0	17	36	70	22	14	6.0	1.2
13	7.5	5.3	5.8	6.0	6.5	24	29	72	24	14	5.4	1.1
14	7.7	4.7	6.0	5.5	6.0	35	26	76	24	14	5.1	1.0
15	8.1	3.7	6.0	5.0	6.0	28	38	80	22	14	4.6	.64
16	8.8	4.5	6.4	5.0	6.0	28	47	82	21	13	9.9	.63
17	8.1	5.8	6.5	5.0	6.5	31	51	78	20	12	6.9	.79
18	7.6	6.0	6.5	5.0	6.5	29	53	76	19	11	5.3	.80
19	6.9	6.2	6.4	5.0	7.0	32	67	71	18	12	4.3	.80
20	6.6	5.3	6.0	5.5	7.0	31	76	68	18	16	3.6	1.0
21	6.5	5.8	5.6	5.5	7.0	33	82	68	17	15	3.1	1.0
22	6.2	6.3	5.4	5.0	7.0	33	81	63	18	13	2.3	.90
23	6.0	6.0	5.4	5.0	6.5	36	79	59	17	12	1.9	.89
24	6.0	6.2	5.4	5.0	6.5	39	84	65	17	11	2.0	1.5
25	6.2	6.5	5.4	5.0	6.5	37	78	60	16	10	1.7	1.7
26	6.8	6.7	6.0	5.2	6.5	38	91	60	15	10	1.3	1.4
27	5.3	5.9	6.4	5.2	7.0	37	87	52	15	12	.88	1.3
28	5.9	5.9	6.8	5.2	7.0	40	71	49	17	12	.83	1.4
29	8.2	3.6	6.7	5.0	---	33	81	45	20	14	.75	2.5
30	9.5	3.0	6.6	5.2	---	31	92	42	19	13	1.0	3.1
31	8.5	---	6.6	5.0	---	31	---	39	---	12	3.0	---
TOTAL	193.5	173.1	172.5	175.5	176.0	776.5	1608	2414	686	436	179.86	47.35
MEAN	6.24	5.77	5.56	5.66	6.29	25.0	53.6	77.9	22.9	14.1	5.80	1.58
AC-FT	384	343	342	348	349	1540	3190	4790	1360	865	357	94
MAX	9.5	7.7	6.8	6.6	7.0	40	92	135	37	18	12	4.0
MIN	2.8	3.0	3.0	5.0	5.0	6.0	26	39	15	10	.75	.63

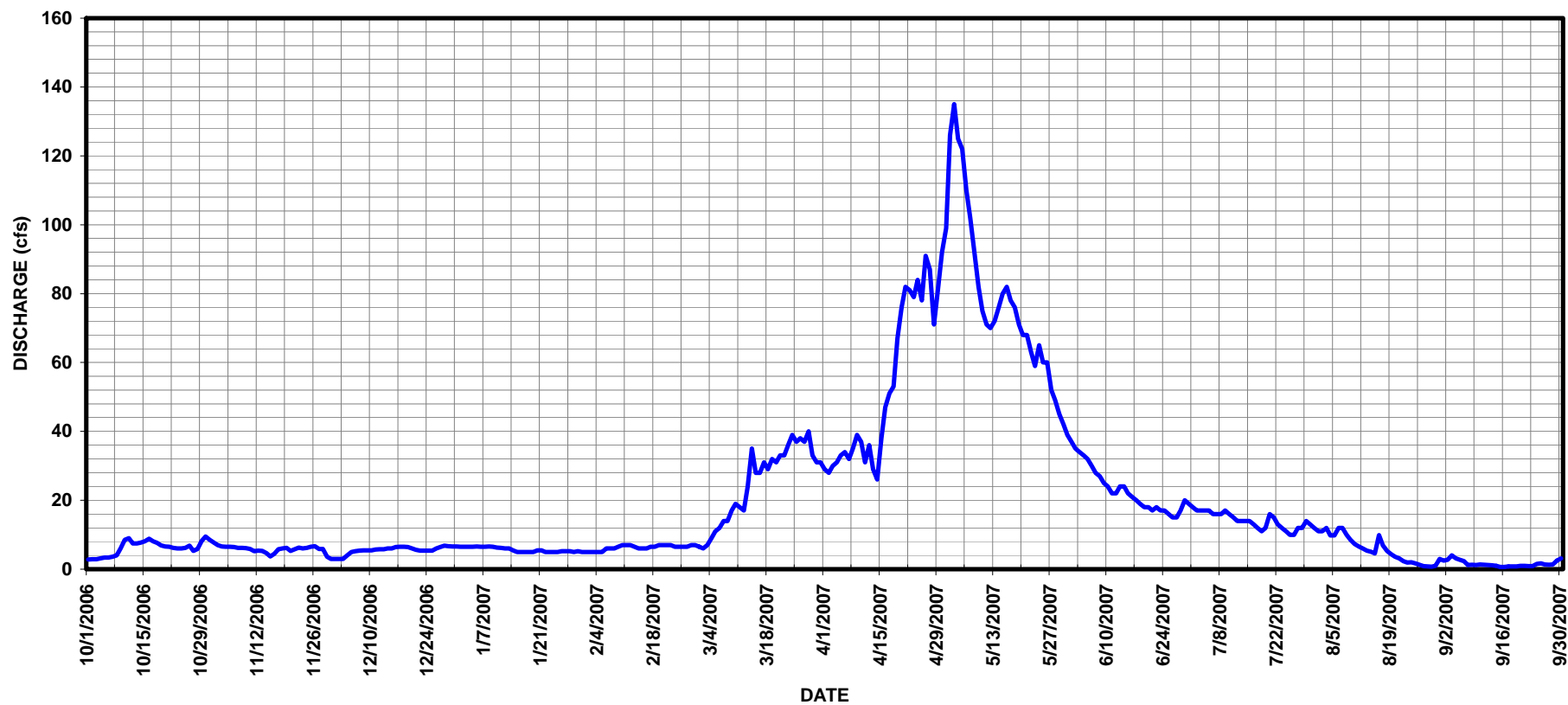
CAL YR	2006	TOTAL	1824.8	MEAN	5.0	MAX	19	MIN	0.20	AC-FT	3620
WTR YR	2007	TOTAL	7038.31	MEAN	19.3	MAX	135	MIN	0.63	AC-FT	13960

MAX DISCH: 143 CFS AT 16:30 ON May. 2, 2007 GH 3.23 FT. SHIFT -0.22 FT.

MAX GH: 3.23 FT. AT 16:30 ON May. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°26'50", long 105°25'33", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

DRAINAGE AREA AND PERIOD OF RECORD.--32 mi². Staff gage established on weir Mar. 1915 and operated to Oct. 1916. Continuous record from May 1923 to present at various locations close to present site.

GAGE.--Graphic water-stage recorder, shaft encoder, and a Sutron satellite monitoring system in a 4-ft. diameter CMP shelter and well. Shaft encoder data used for the primary record. Elevation of gage is 8,045 ft, from topographic map.

REMARKS.--Record is complete and reliable, except for Dec. 7, 2006 through Mar. 23, 2007, when the station was closed for the winter; and November 29, 30, December 1-6, 2006, when the well was frozen. Stage-discharge relation was affected by ice Nov. 14-28, 2006. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-2006 TO 30-SEP-2007

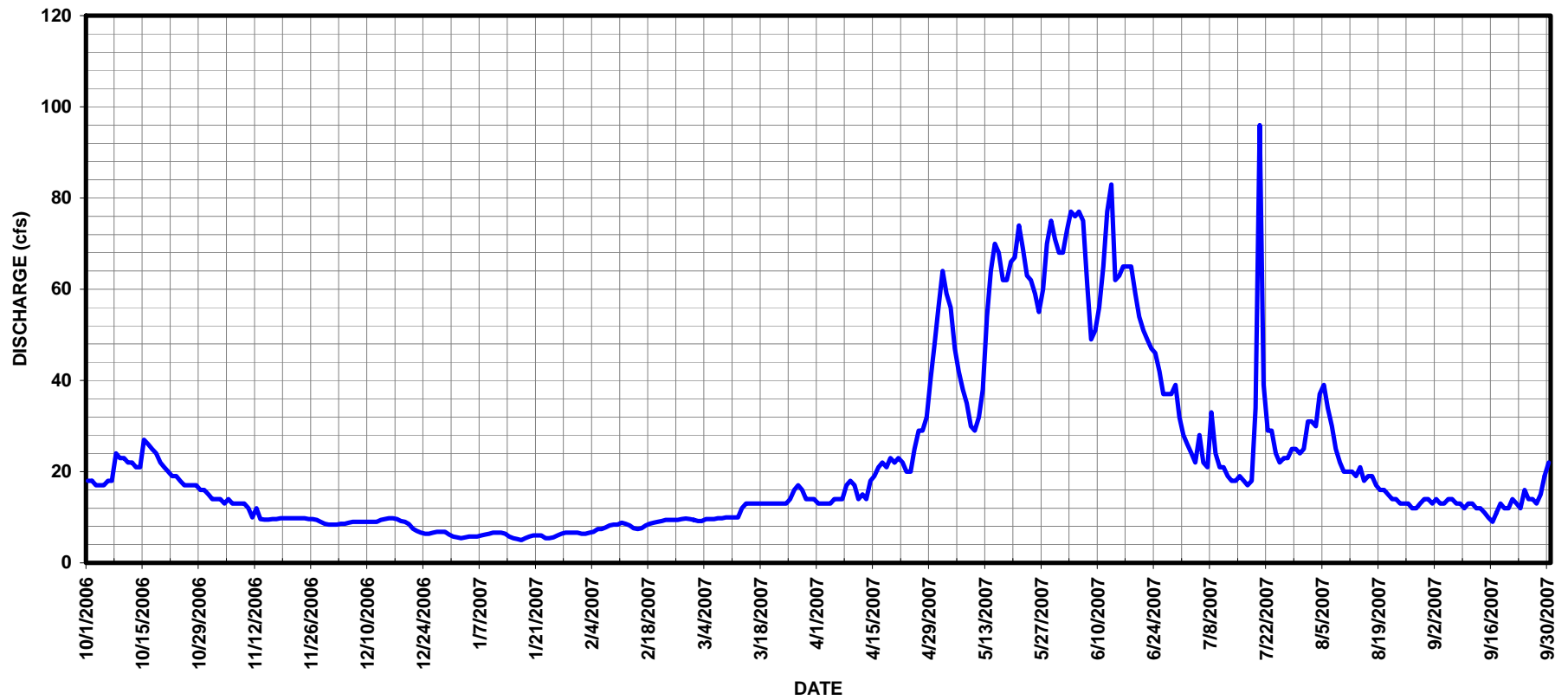
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	14	8.4	5.6	6.4	9.4	13	56	68	28	31	13
2	18	14	8.4	5.4	6.4	9.2	13	64	73	26	31	14
3	17	14	8.6	5.6	6.6	9.2	13	59	77	24	30	13
4	17	13	8.6	5.8	6.8	9.6	13	56	76	22	37	13
5	17	14	8.8	5.8	7.4	9.6	14	47	77	28	39	14
6	18	13	9.0	5.8	7.4	9.6	14	42	75	22	34	14
7	18	13	9.0	6.0	7.8	9.8	14	38	61	21	30	13
8	24	13	9.0	6.2	8.2	9.8	17	35	49	33	25	13
9	23	13	9.0	6.4	8.4	10	18	30	51	24	22	12
10	23	12	9.0	6.6	8.4	10	17	29	56	21	20	13
11	22	10	9.0	6.6	8.8	10	14	32	65	21	20	13
12	22	12	9.0	6.6	8.6	10	15	38	77	19	20	12
13	21	9.6	9.4	6.4	8.2	12	14	54	83	18	19	12
14	21	9.5	9.6	5.8	7.6	13	18	64	62	18	21	11
15	27	9.5	9.8	5.4	7.4	13	19	70	63	19	18	9.9
16	26	9.6	9.8	5.2	7.6	13	21	68	65	18	19	9.0
17	25	9.6	9.6	5.0	8.2	13	22	62	65	17	19	11
18	24	9.8	9.2	5.4	8.6	13	21	62	65	18	17	13
19	22	9.8	9.0	5.8	8.8	13	23	66	59	34	16	12
20	21	9.8	8.5	6.0	9.0	13	22	67	54	96	16	12
21	20	9.8	7.5	6.0	9.2	13	23	74	51	39	15	14
22	19	9.8	7.0	6.0	9.4	13	22	69	49	29	14	13
23	19	9.8	6.6	5.4	9.4	13	20	63	47	29	14	12
24	18	9.8	6.4	5.4	9.4	13	20	62	46	24	13	16
25	17	9.6	6.4	5.6	9.4	14	25	59	42	22	13	14
26	17	9.6	6.6	6.0	9.6	16	29	55	37	23	13	14
27	17	9.4	6.8	6.4	9.7	17	29	60	37	23	12	13
28	17	9.0	6.8	6.6	9.6	16	32	70	37	25	12	15
29	16	8.6	6.8	6.6	---	14	40	75	39	25	13	19
30	16	8.4	6.2	6.6	---	14	48	71	32	24	14	22
31	15	---	5.8	6.6	---	14	---	68	---	25	14	---
TOTAL	615	326.0	253.6	184.6	232.3	376.2	623	1765	1738	815	631	398.9
MEAN	19.8	10.9	8.18	5.95	8.30	12.1	20.8	56.9	57.9	26.3	20.4	13.3
AC-FT	1220	647	503	366	461	746	1240	3500	3450	1620	1250	791
MAX	27	14	9.8	6.6	9.7	17	48	75	83	96	39	22
MIN	15	8.4	5.8	5.0	6.4	9.2	13	29	32	17	12	9.0
CAL YR 2006	TOTAL	4152.5	MEAN	11.4	MAX	84	MIN	4.3	AC-FT	8240		
WTR YR 2007	TOTAL	7958.6	MEAN	21.8	MAX	96	MIN	5	AC-FT	15790		

MAX DISCH: 173 CFS AT 03:15 ON Jul. 20, 2007 GH 2.99 FT. GH CORR. 0.01 FT. SHIFT -0.01 FT.
MAX GH: 3.00 FT. (GH CORR. 0.01 FT. APPLIED) AT 03:15 ON Jul. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08242500 UTE CREEK NEAR FORT GARLAND CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

LOCATION.--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.75 mi downstream from Smith Reservoir, and 5.0 mi southwest of Blanca, Co.

DRAINAGE AREA.--396 mi².

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 42-inch diameter corrugated metal shelter and well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

REMARKS.--Record is complete and reliable, except for January 18-30, February 1 - March 23, 2007, when the well was frozen. Stage-discharge relation was affected by ice December 29-30, 2006. Record is good, except for periods of no gage height and ice affected record, which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRISMICO11 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

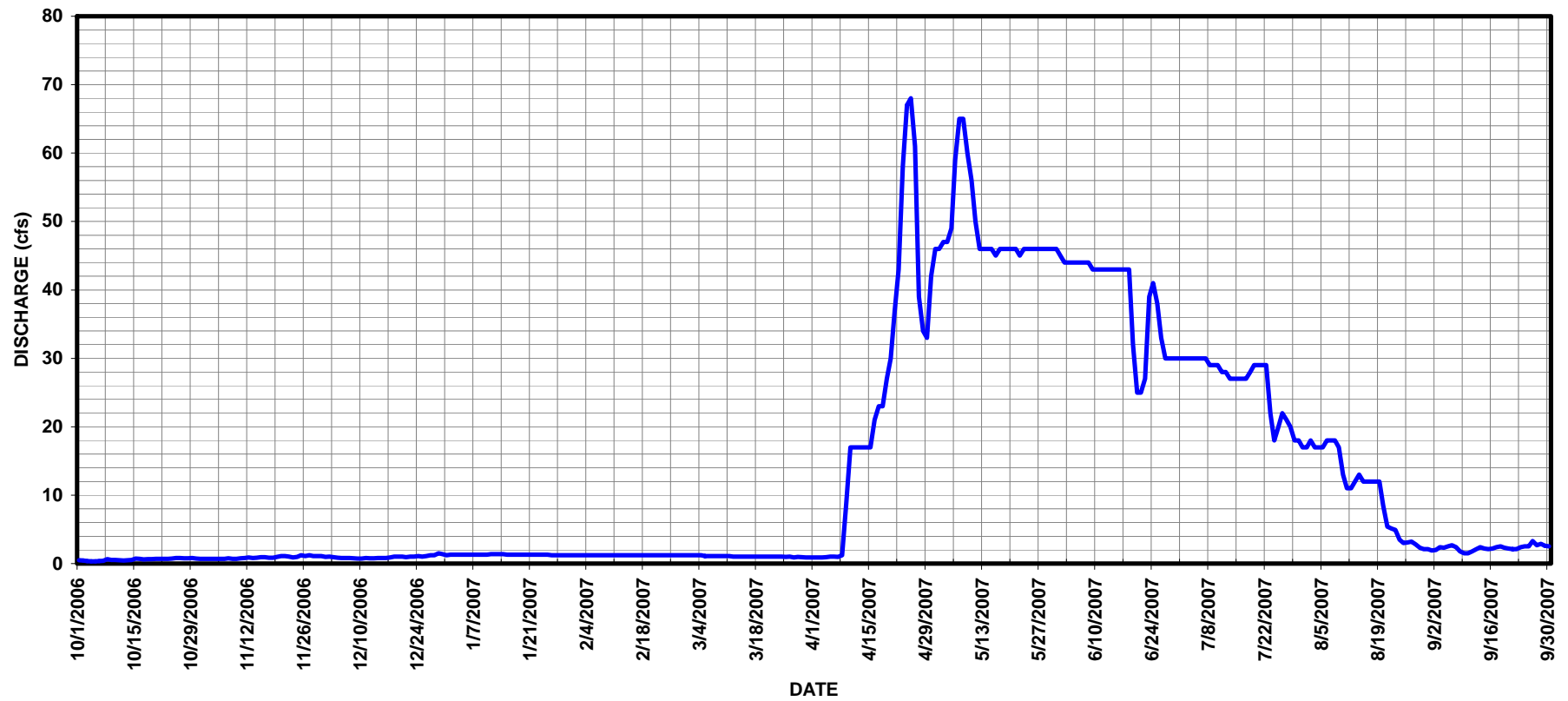
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.47	.71	.97	1.3	1.2	1.2	.91	46	45	30	17	1.9
2	.44	.71	1.0	1.3	1.2	1.2	.91	46	44	30	18	2.0
3	.38	.71	.92	1.3	1.2	1.2	.91	47	44	30	17	2.4
4	.31	.71	.85	1.3	1.2	1.2	.92	47	44	30	17	2.3
5	.32	.70	.81	1.3	1.2	1.1	1.0	49	44	30	17	2.5
6	.38	.70	.81	1.3	1.2	1.1	1.0	59	44	30	18	2.7
7	.41	.76	.81	1.3	1.2	1.1	.99	65	44	30	18	2.4
8	.63	.71	.76	1.3	1.2	1.1	1.2	65	44	29	18	1.8
9	.53	.71	.73	1.3	1.2	1.1	8.8	60	43	29	17	1.5
10	.52	.79	.73	1.3	1.2	1.1	17	56	43	29	13	1.5
11	.48	.81	.83	1.4	1.2	1.1	17	50	43	28	11	1.8
12	.46	.88	.77	1.4	1.2	1.0	17	46	43	28	11	2.1
13	.47	.81	.76	1.4	1.2	1.0	17	46	43	27	12	2.4
14	.54	.85	.80	1.4	1.2	1.0	17	46	43	27	13	2.2
15	.72	.92	.81	1.3	1.2	1.0	17	46	43	27	12	2.1
16	.69	.92	.81	1.3	1.2	1.0	21	45	43	27	12	2.2
17	.62	.86	.91	1.3	1.2	1.0	23	46	43	27	12	2.4
18	.65	.86	1.0	1.3	1.2	1.0	23	46	43	28	12	2.5
19	.63	.98	1.0	1.3	1.2	1.0	27	46	32	29	12	2.3
20	.71	1.1	1.0	1.3	1.2	1.0	30	46	25	29	8.5	2.2
21	.71	1.1	.94	1.3	1.2	1.0	37	46	25	29	5.4	2.1
22	.71	1.0	1.0	1.3	1.2	1.0	43	45	27	29	5.1	2.1
23	.70	.91	1.0	1.3	1.2	1.0	58	46	39	22	4.9	2.4
24	.75	.98	1.1	1.3	1.2	1.0	67	46	41	18	3.5	2.5
25	.83	1.2	1.0	1.3	1.2	.99	68	46	38	20	3.0	2.5
26	.82	1.1	1.1	1.2	1.2	1.0	61	46	33	22	3.1	3.3
27	.78	1.2	1.2	1.2	1.2	.91	39	46	30	21	3.2	2.7
28	.76	1.1	1.2	1.2	1.2	.98	34	46	30	20	2.8	2.9
29	.81	1.1	1.5	1.2	---	.95	33	46	30	18	2.3	2.6
30	.73	1.1	1.4	1.2	---	.91	42	46	30	18	2.1	2.5
31	.71	---	1.2	1.2	---	.90	---	46	---	17	2.1	---
TOTAL	18.67	26.99	29.72	40.1	33.6	32.14	724.64	1508	1163	808	323.0	68.8
MEAN	.60	.90	.96	1.29	1.20	1.04	24.2	48.6	38.8	26.1	10.4	2.29
AC-FT	37	54	59	80	67	64	1440	2990	2310	1600	641	136
MAX	.83	1.2	1.5	1.4	1.2	1.2	68	65	45	30	18	3.3
MIN	.31	.70	.73	1.2	1.2	.90	.91	45	25	17	2.1	1.5

CAL YR	2006	TOTAL	1031.03	MEAN	2.8	MAX	7.1	MIN	.31	AC-FT	2050
WTR YR	2007	TOTAL	4776.66	MEAN	13.1	MAX	68	MIN	.31	AC-FT	9470

MAX DISCH: 70.8 CFS AT 16:15 ON May. 8, 2007 GH 3.79 FT. SHIFT 0.10 FT.
MAX GH: 3.79 FT. AT 16:15 ON May. 8, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR NEAR BLANCA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

LOCATION.--Lat 37°21'18", long 106°32'37", Conejos County, Hydrologic Unit 13010005, on left bank 1,100 ft downstream from valve house for Platoro Reservoir and 0.7 mi northwest of Platoro.

DRAINAGE AREA AND PERIOD OF RECORD.--40 mi². 1937 - 1953 at site one mile downstream. May 1952 to current year at present site.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a timber shelter and concrete well. A graphic water-stage recorder is operated as a data backup. The station is also equipped with an air temperature sensor. The control is a concrete weir with sloping sides. Datum of gage is 9,866.60 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for November 6, 2006 through March 30, 2007, when the station was closed for the winter. Record is good, except for period of no gage-height record, which is fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONPLAC013 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	86	7.5	7.6	7.7	7.9	20	197	189	297	233	109
2	94	86	7.5	7.6	7.7	7.9	21	86	216	300	172	113
3	143	59	7.5	7.6	7.7	7.9	20	41	277	308	128	115
4	148	30	7.5	7.6	7.7	7.9	13	88	221	307	176	94
5	136	37	7.5	7.6	7.7	7.9	12	146	126	314	221	98
6	128	25	7.5	7.6	7.8	7.9	23	160	100	319	200	109
7	176	7.5	7.5	7.6	7.8	7.9	33	123	102	303	247	93
8	197	7.5	7.5	7.6	7.8	7.9	33	109	62	247	383	83
9	259	7.5	7.5	7.6	7.8	7.9	33	109	34	198	239	90
10	290	7.5	7.5	7.6	7.8	7.9	33	109	105	184	162	87
11	289	7.5	7.5	7.6	7.8	7.9	32	137	166	186	119	81
12	257	7.5	7.5	7.6	7.8	7.9	32	199	213	185	109	72
13	215	7.5	7.5	7.6	7.8	8.0	32	351	286	177	128	72
14	168	7.5	7.5	7.6	7.8	8.0	32	403	253	210	141	80
15	180	7.5	7.5	7.6	7.8	8.0	32	371	196	224	165	83
16	207	7.5	7.5	7.6	7.8	8.0	33	261	177	232	161	83
17	195	7.5	7.5	7.6	7.8	8.0	33	220	178	239	140	76
18	182	7.5	7.5	7.6	7.8	8.0	33	114	178	203	134	116
19	181	7.5	7.5	7.7	7.8	8.0	33	43	196	231	119	130
20	150	7.5	7.5	7.7	7.8	8.0	33	43	222	228	114	92
21	130	7.5	7.5	7.7	7.8	8.0	33	43	255	183	114	87
22	116	7.5	7.5	7.7	7.8	8.0	33	45	297	149	114	76
23	99	7.5	7.5	7.7	7.8	8.0	39	53	309	135	113	79
24	92	7.5	7.5	7.7	7.9	8.0	45	145	251	124	113	172
25	91	7.5	7.5	7.7	7.9	8.0	45	193	259	119	123	178
26	91	7.5	7.5	7.7	7.9	8.0	45	134	298	108	133	137
27	78	7.5	7.5	7.7	7.9	8.0	45	95	313	134	148	113
28	71	7.5	7.5	7.7	7.9	8.0	45	95	317	172	185	94
29	71	7.5	7.5	7.7	---	8.0	109	174	309	289	203	109
30	80	7.5	7.5	7.7	---	13	174	229	314	293	181	97
31	86	---	7.5	7.7	---	19	---	207	---	266	132	---
TOTAL	4734	503.0	232.5	236.9	218.4	262.8	1179	4723	6419	6864	5050	3018
MEAN	153	16.8	7.50	7.64	7.80	8.48	39.3	152	214	221	163	101
AC-FT	9390	998	461	470	433	521	2340	9370	12730	13610	10020	5990
MAX	290	86	7.5	7.7	7.9	19	174	403	317	319	383	178
MIN	71	7.5	7.5	7.6	7.7	7.9	12	41	34	108	109	72

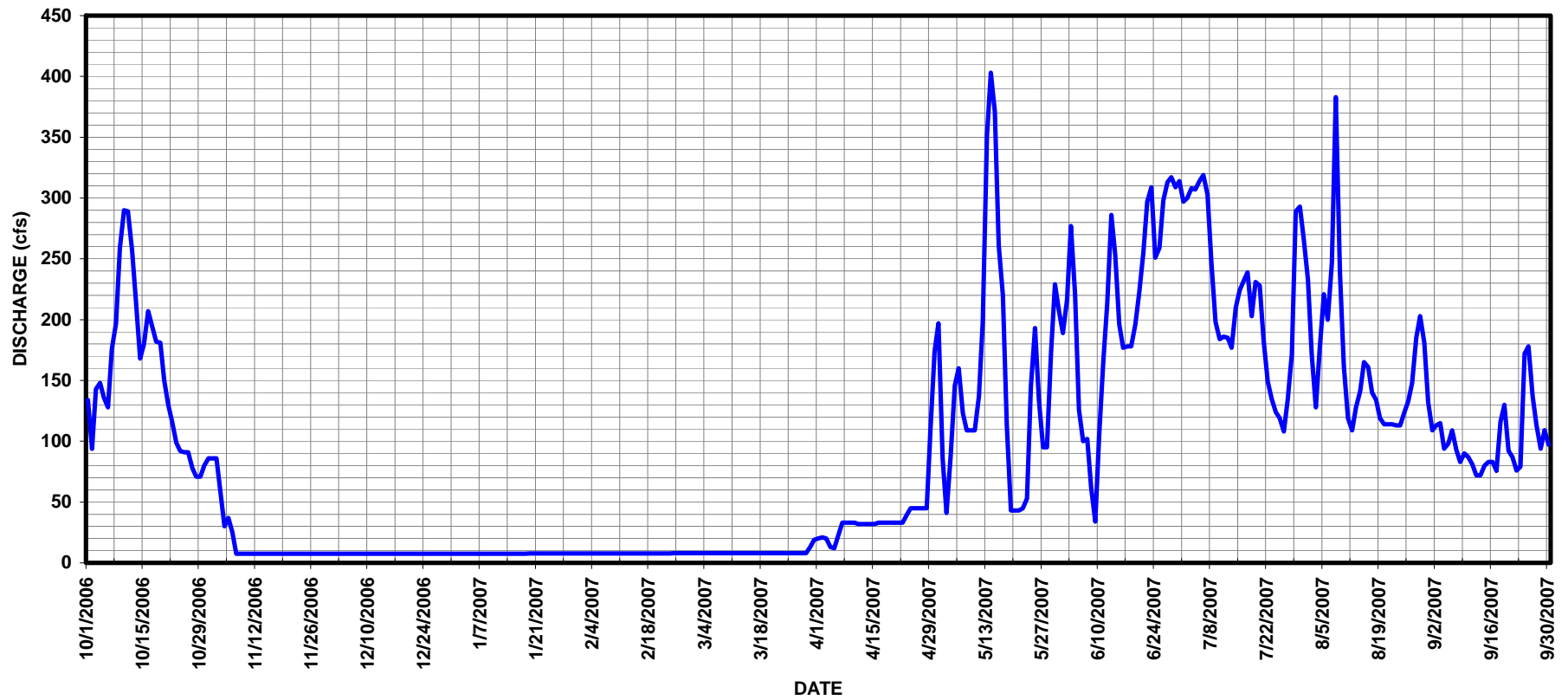
CAL YR	2006	TOTAL	31143.5	MEAN	85.3	MAX	532	MIN	7.0	AC-FT	61770
WTR YR	2007	TOTAL	33440.6	MEAN	91.6	MAX	403	MIN	7.5	AC-FT	66330

MAX DISCH: 440 CFS AT 15:45 ON Aug. 8, 2007 GH 2.72 FT. SHIFT 0 FT.

MAX GH: 2.72 FT. AT 15:45 ON Aug. 8, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

LOCATION.--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec. 34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 75 ft downstream from bridge on State Highway 174, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

DRAINAGE AREA AND PERIOD OF RECORD.--282 mi². Intermittent, non-recording data from 1903-1915 at various sites. Water stage recorder from 1915-Oct. 1988 at different site. Oct. 1988-present, water stage recorder at current site.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter and phone modem, which records gage-height data from a float-operated shaft encoder in a 5 ft. diameter metal shelter and well. A graphic water-stage recorder is operated as a data backup. Station is also equipped with an air temperature sensor and a tipping bucket rain gage. Datum of gage is 8,271.54 ft, Colorado State Highway datum.

REMARKS.--Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 25, 2006 through Mar. 6, 2007. Record is good, except for periods of ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

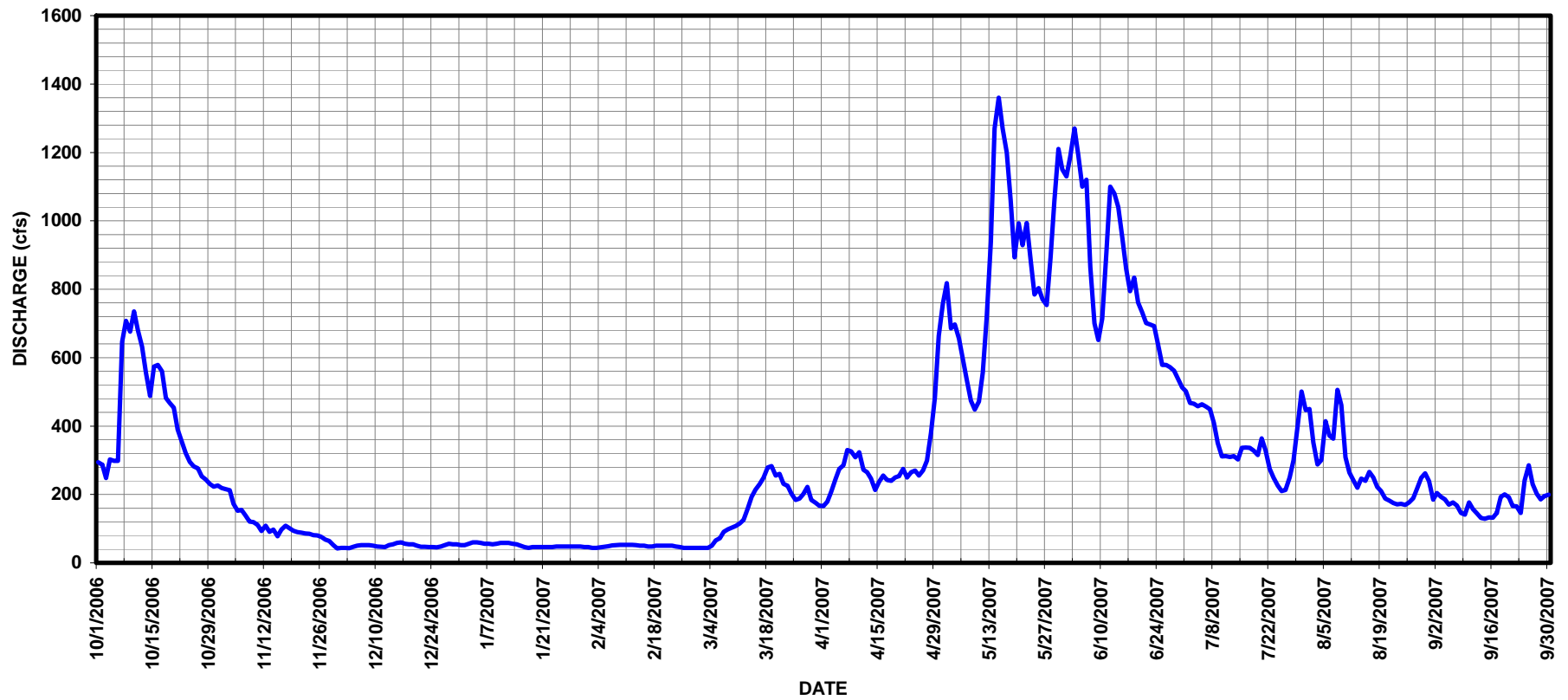
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	219	44	52	46	44	166	759	1130	502	450	185
2	287	216	44	56	44	44	179	818	1190	468	352	204
3	248	212	43	60	44	44	208	686	1270	465	288	193
4	302	173	47	60	45	50	244	697	1190	458	301	186
5	298	152	50	58	47	66	275	656	1100	464	414	170
6	298	155	52	56	49	72	285	596	1120	457	372	177
7	646	138	52	56	51	91	330	536	866	449	363	168
8	708	121	52	54	52	98	326	474	700	409	506	146
9	676	119	50	56	53	103	309	448	652	350	461	141
10	735	111	48	58	53	108	323	472	714	311	309	177
11	680	93	47	58	53	115	272	557	906	312	264	157
12	632	109	46	58	53	126	265	717	1100	310	241	145
13	556	91	52	56	52	159	246	938	1080	312	220	131
14	488	97	54	54	50	193	213	1270	1040	302	246	129
15	574	78	58	50	50	214	237	1360	951	336	240	133
16	579	97	60	46	48	230	255	1270	859	337	266	132
17	560	109	56	44	48	249	242	1200	794	336	250	146
18	482	101	54	46	50	279	240	1060	834	328	222	193
19	467	94	54	46	50	283	250	893	761	315	210	200
20	454	90	50	46	50	255	254	993	732	364	188	192
21	390	88	47	46	50	260	275	929	701	329	182	166
22	354	86	47	46	50	231	250	994	697	275	175	165
23	321	85	46	46	48	225	265	887	692	249	171	146
24	295	81	46	48	46	202	270	785	639	226	173	241
25	282	80	45	48	44	184	255	803	579	210	169	285
26	276	76	48	48	44	188	271	771	579	213	177	230
27	253	68	52	48	44	201	299	754	572	250	189	202
28	244	64	56	48	44	222	380	892	562	300	217	186
29	231	52	54	48	---	184	483	1060	538	402	249	195
30	223	42	54	48	---	176	664	1210	513	501	262	199
31	226	---	52	46	---	167	---	1150	---	447	239	---
TOTAL	13059	3297	1560	1590	1358	5063	8531	26635	25061	10987	8366	5320
MEAN	421	110	50.3	51.3	48.5	163	284	859	835	354	270	177
AC-FT	25900	6540	3090	3150	2690	10040	16920	52830	49710	21790	16590	10550
MAX	735	219	60	60	53	283	664	1360	1270	502	506	285
MIN	223	42	43	44	44	44	166	448	513	210	169	129
CAL YR 2006	TOTAL	97635	MEAN	267	MAX	1570	MIN	33	AC-FT	193700		
WTR YR 2007	TOTAL	110827	MEAN	304	MAX	1360	MIN	42	AC-FT	219800		

MAX DISCH: 1420 CFS AT 04:30 ON May. 15, 2007 GH 4.53 FT. SHIFT 0.02 FT.

MAX GH: 4.53 FT. AT 04:30 ON May. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08246500 CONEJOS RIVER NEAR MOGOTE CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08247500 SAN ANTONIO RIVER AT ORTIZ, CO

LOCATION.--Lat 36°59'35", long 106°02'17", in NE¼SE¼ sec. 24, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 800 ft south of Colorado-New Mexico State line, 0.4 mi southeast of Ortiz, and 0.4 mi upstream from Los Pinos River.

DRAINAGE AREA AND PERIOD OF RECORD.--110 mi². April 1919 to Oct. 1920, Oct. 1924 to current year(no winter record prior to 1941). Monthly data only for some periods.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 42-inch metal pipe shelter and well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 7,970 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for Jan. 17 through Mar. 15, 2007, when the well and oil cylinder were frozen. The stage-discharge relation was affected by ice November 13, 2006 through Jan. 16, 2007, Mar. 16 - 19, and Apr. 14, 2007. There was no flow Jul. 7 - 13, Aug. 25 - Sep. 2, Sep. 18 - 20, 2007 (19 days). Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANORTCO14 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

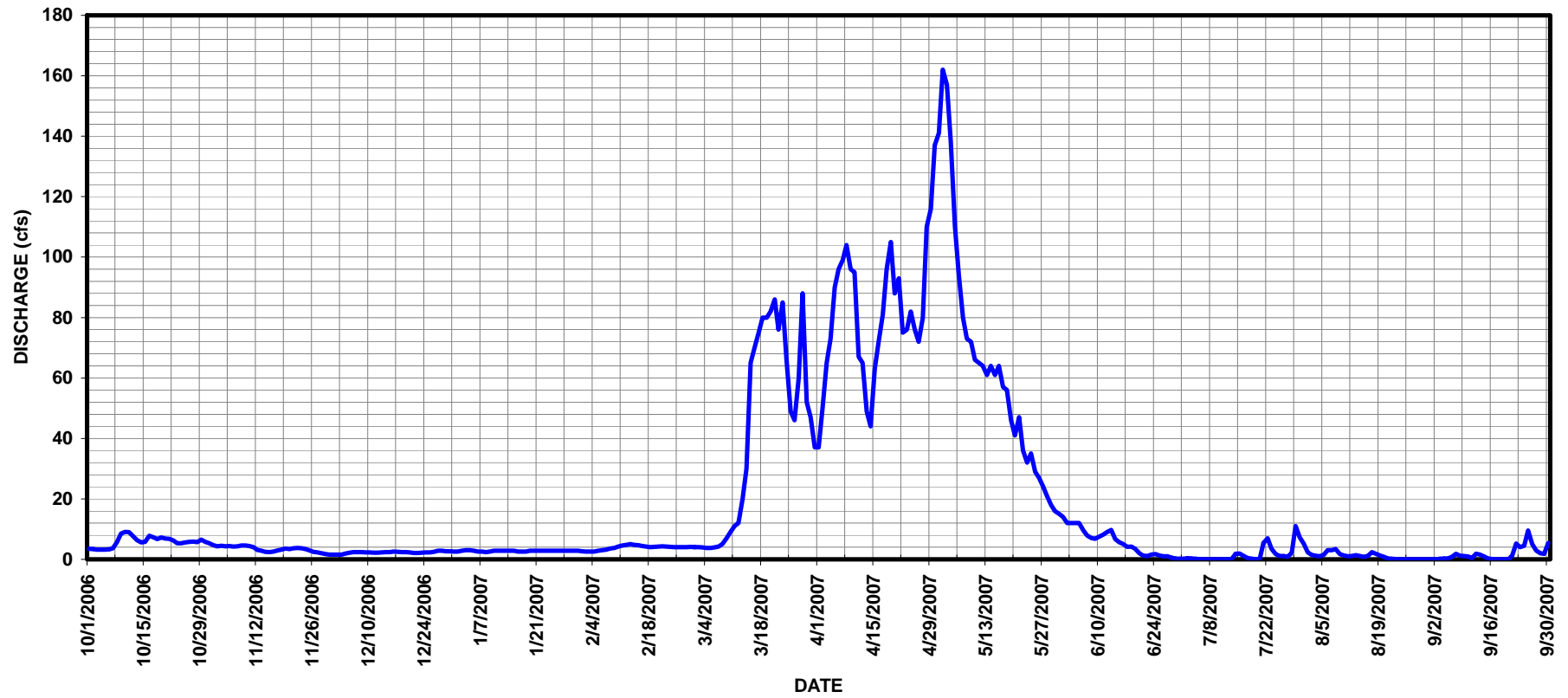
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	4.7	1.6	2.6	2.7	4.0	37	141	14	.19	2.3	0
2	3.4	4.3	1.6	2.8	2.6	4.0	50	162	12	.33	1.5	0
3	3.2	4.5	1.6	3.0	2.6	3.9	65	157	12	.31	1.2	.22
4	3.2	4.3	1.9	3.0	2.6	3.8	73	138	12	.21	.97	.26
5	3.2	4.4	2.2	2.8	2.8	3.8	90	110	12	.10	1.5	.28
6	3.3	4.2	2.4	2.6	3.0	3.9	96	94	9.6	.03	3.0	.80
7	3.7	4.3	2.4	2.6	3.2	4.2	99	80	7.9	0	3.0	1.8
8	5.8	4.6	2.4	2.4	3.6	5.0	104	73	7.1	0	3.4	1.2
9	8.5	4.6	2.3	2.6	3.8	7.0	96	72	6.8	0	1.7	1.1
10	9.1	4.4	2.3	2.8	4.2	9.0	95	66	7.5	0	1.3	.93
11	9.0	4.0	2.2	2.8	4.6	11	67	65	8.2	0	.98	.49
12	7.6	3.1	2.2	2.8	4.8	12	65	64	9.1	0	1.1	1.8
13	6.3	2.8	2.3	2.8	5.0	20	49	61	9.7	0	1.4	1.6
14	5.6	2.5	2.4	2.8	4.8	30	44	64	6.7	1.8	1.1	.91
15	5.8	2.4	2.4	2.8	4.7	65	63	61	5.7	1.9	.84	.29
16	7.8	2.6	2.6	2.6	4.4	70	72	64	5.0	1.1	1.1	.11
17	7.3	2.9	2.5	2.6	4.2	75	81	57	4.1	.42	2.4	.04
18	6.7	3.2	2.4	2.6	4.0	80	96	56	4.2	.19	1.8	0
19	7.2	3.6	2.4	2.8	4.1	80	105	46	3.5	.07	1.3	0
20	6.9	3.4	2.3	2.8	4.2	82	88	41	2.0	.02	.78	0
21	6.8	3.7	2.1	2.8	4.3	86	93	47	1.2	5.4	.28	1.2
22	6.2	3.8	2.1	2.8	4.2	76	75	36	1.1	7.0	.19	5.2
23	5.3	3.7	2.2	2.8	4.1	85	76	32	1.6	3.5	.08	4.0
24	5.3	3.4	2.3	2.8	4.0	66	82	35	1.7	1.7	.01	4.5
25	5.6	2.9	2.3	2.8	4.0	49	76	29	1.3	1.1	0	9.5
26	5.8	2.5	2.5	2.8	4.0	46	72	27	.97	1.1	0	5.0
27	5.9	2.3	2.8	2.8	4.0	60	80	24	.97	.83	0	2.9
28	5.7	2.0	2.8	2.8	4.1	88	110	21	.57	2.1	0	2.0
29	6.5	1.7	2.7	2.8	---	52	116	18	.32	11	0	1.8
30	5.8	1.6	2.7	2.8	---	47	137	16	.21	7.2	0	5.4
31	5.3	---	2.6	2.8	---	37	---	15	---	5.2	0	---
TOTAL	181.3	102.4	71.5	85.4	108.6	1265.6	2452	1972	169.04	52.80	33.23	53.33
MEAN	5.85	3.41	2.31	2.75	3.88	40.8	81.7	63.6	5.63	1.70	1.07	1.78
AC-FT	360	203	142	169	215	2510	4860	3910	335	105	66	106
MAX	9.1	4.7	2.8	3.0	5.0	88	137	162	14	11	3.4	9.5
MIN	3.2	1.6	1.6	2.4	2.6	3.8	37	15	.21	0	0	0
CAL YR 2006	TOTAL	2989.13	MEAN	8.19	MAX	94	MIN	0	AC-FT	5930		
WTR YR 2007	TOTAL	6547.2	MEAN	17.9	MAX	162	MIN	0	AC-FT	12990		

MAX DISCH: 185 CFS AT 23:45 ON May. 2, 2007 GH 2.94 FT. SHIFT -0.15 FT.

MAX GH: 2.94 FT. AT 23:45 ON May. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08247500 SAN ANTONIO RIVER AT ORTIZ CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

Location.--Lat 36°58'56", long 106°04'23", on line between secs. 26 and 27, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 0.9 mi south of Colorado-New Mexico State line, 2.1 mi southwest of Ortiz, and 2.9 mi upstream from mouth.

DRAINAGE AREA AND PERIOD OF RECORD.--167 mi². Jan. 1, 1915 to Apr. 14, 1955, water stage recorder at location 350' upstream. Apr. 15, 1955 relocated to present site.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 42-inch metal pipe shelter and well. A graphic water-stage recorder is operated as a data backup. Supplemental outside chain gage. Elevation of gage is 8,040 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for Jan. 8 through Mar. 15, 2007, when the well and oil cylinder were frozen. Stage-discharge relation was affected by ice Nov. 13, 2006 to Jan. 7, 2007 and Mar. 16, 17, 29, Apr. 13, 14, 2007. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LOSORTCO13 USED FROM 01-OCT-2006 TO 30-SEP-2007

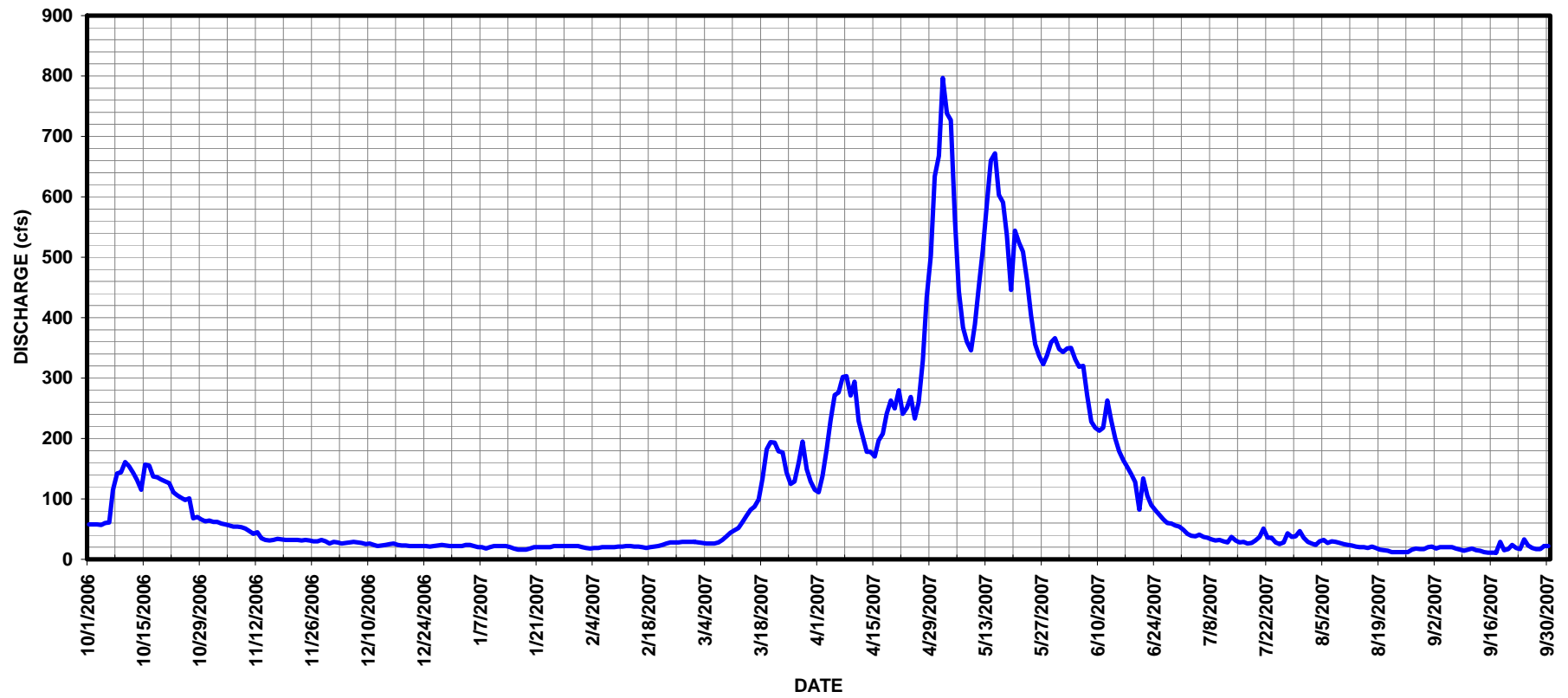
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	62	29	22	20	29	111	668	343	49	29	21
2	58	62	28	22	19	28	138	797	349	42	26	18
3	58	59	26	24	18	27	182	738	350	39	24	20
4	57	58	27	24	19	26	230	727	331	38	30	20
5	60	56	28	22	19	26	272	562	319	41	32	20
6	61	54	29	20	20	26	276	444	320	37	27	20
7	115	54	28	20	20	28	302	384	272	36	30	18
8	142	53	27	18	20	32	303	360	228	33	29	16
9	144	51	25	20	20	38	271	346	218	31	27	14
10	161	47	26	22	21	44	294	389	213	32	25	16
11	154	42	24	22	21	48	229	453	218	30	24	18
12	143	45	22	22	22	52	204	512	263	28	23	15
13	131	35	23	22	22	62	178	590	230	37	21	14
14	115	32	24	20	21	72	178	660	200	31	20	12
15	157	31	25	18	21	82	170	672	179	28	20	11
16	155	32	26	16	20	87	197	603	164	29	19	11
17	137	34	24	16	19	99	208	591	153	26	21	11
18	136	33	23	16	20	134	241	536	141	27	19	29
19	132	32	23	18	21	182	263	446	128	31	16	15
20	129	32	22	20	22	194	250	544	82	37	15	17
21	126	32	22	20	24	193	280	524	134	51	14	24
22	111	32	22	20	26	179	241	509	105	36	12	19
23	106	31	22	20	28	177	251	461	90	36	12	17
24	102	32	22	20	28	144	269	404	81	28	12	33
25	98	31	21	22	28	125	233	356	74	25	12	23
26	101	30	22	22	29	129	260	337	66	28	12	19
27	68	30	23	22	29	160	329	323	60	43	16	17
28	70	32	24	22	29	195	434	337	59	37	18	17
29	66	30	23	22	---	149	503	359	56	38	17	22
30	63	26	22	22	---	129	634	366	54	47	17	22
31	64	---	22	22	---	115	---	348	---	36	20	---
TOTAL	3278	1210	754	638	626	3011	7931	15346	5480	1087	639	549
MEAN	106	40.3	24.3	20.6	22.4	97.1	264	495	183	35.1	20.6	18.3
AC-FT	6500	2400	1500	1270	1240	5970	15730	30440	10870	2160	1270	1090
MAX	161	62	29	24	29	195	634	797	350	51	32	33
MIN	57	26	21	16	18	26	111	323	54	25	12	11
CAL YR 2006	TOTAL	27084	MEAN	74.2	MAX	448	MIN	11	AC-FT	53720		
WTR YR 2007	TOTAL	40549	MEAN	111	MAX	797	MIN	11	AC-FT	80430		

MAX DISCH: 951 CFS AT 00:15 ON May. 4, 2007 GH 5.17 FT. SHIFT -0.07 FT.
MAX GH: 5.17 FT. AT 00:15 ON May. 4, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08248000 LOS PINOS RIVER NEAR ORTIZ CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

LOCATION.--Lat 37°10'37", long 105°52'39", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi².

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in metal pipe shelter and well. A graphic water-stage recorder is operated as a data backup. On Sep. 20, 2007, the existing CMP shelter was reset on a new concrete well at same location but further from stream bank. New inlet pipes and valves were installed. Altitude of gage is 7,650 ft. from topographic map.

REMARKS.--Record is complete and reliable, except for Nov. 30, Dec. 1-20, 2006, Mar. 29-31, 2007, when the well was frozen; and Dec. 21, 2006 through March 19, 2007, when the station was closed for the winter. The stage-discharge relation was affected by ice Nov. 15-17, 21, 22, 27-29, 2006, Apr. 12-15, 2007. There was no flow Aug. 3 through Sep. 30, 2007. There was no flow for 59 days. Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANMANCO19B USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

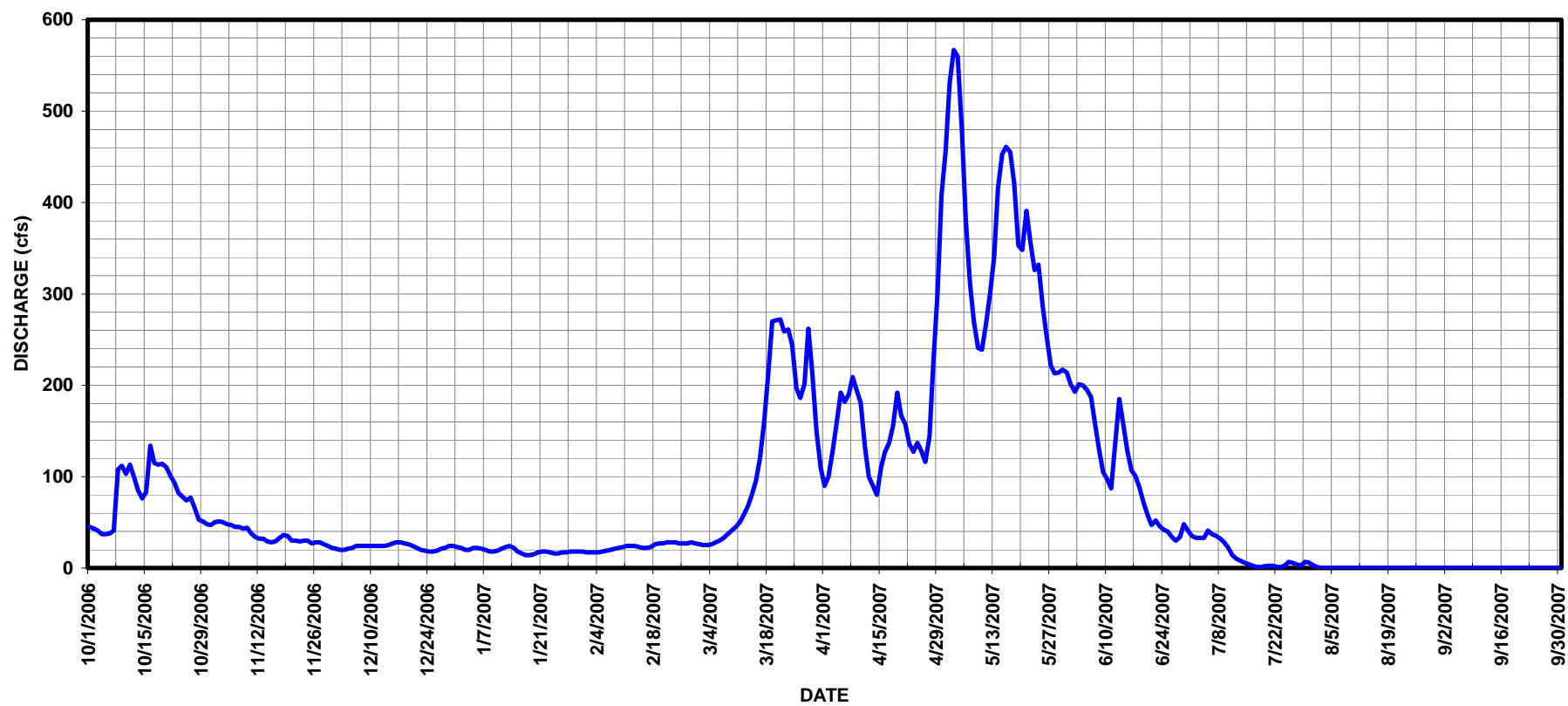
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	50	21	22	17	26	90	457	201	35	.94	0
2	43	51	20	20	17	25	100	530	193	33	.07	0
3	41	50	20	20	17	25	128	567	201	33	0	0
4	37	48	21	22	17	26	158	560	200	33	0	0
5	37	47	22	22	18	28	192	480	195	41	0	0
6	38	45	24	21	19	30	182	381	187	37	0	0
7	41	45	24	20	20	33	190	312	158	35	0	0
8	108	43	24	18	21	37	209	270	129	32	0	0
9	112	44	24	18	22	41	194	241	105	28	0	0
10	103	38	24	19	23	45	181	239	97	22	0	0
11	113	34	24	21	24	50	133	267	87	14	0	0
12	99	32	24	23	24	58	100	299	138	10	0	0
13	85	32	24	24	24	68	90	340	185	7.9	0	0
14	76	29	25	22	23	80	80	416	157	5.7	0	0
15	83	28	27	18	22	96	110	453	129	4.2	0	0
16	134	29	28	16	22	120	127	461	107	2.4	0	0
17	115	33	28	14	23	160	137	455	101	1.2	0	0
18	113	36	27	14	26	210	156	421	88	.93	0	0
19	114	35	26	15	27	270	192	353	72	1.8	0	0
20	110	30	24	17	27	271	167	348	58	2.3	0	0
21	101	30	22	18	28	272	157	391	47	2.3	0	0
22	93	29	20	18	28	259	136	357	52	1.3	0	0
23	82	30	19	17	28	261	127	326	46	.81	0	0
24	78	30	18	16	27	244	137	332	42	2.8	0	0
25	74	27	18	16	27	197	128	287	40	6.6	0	0
26	77	28	19	17	27	186	116	254	34	5.4	0	0
27	66	28	21	17	28	201	144	222	30	3.8	0	0
28	53	26	22	18	27	262	226	213	34	2.9	0	0
29	51	24	24	18	---	210	302	214	48	6.7	0	0
30	48	22	24	18	---	150	408	217	41	5.7	0	0
31	47	---	23	18	---	110	---	214	---	3.2	0	---
TOTAL	2417	1053	711	577	653	4051	4797	10877	3202	420.94	1.01	0
MEAN	78.0	35.1	22.9	18.6	23.3	131	160	351	107	13.6	.033	0
AC-FT	4790	2090	1410	1140	1300	8040	9510	21570	6350	835	2.0	0
MAX	134	51	28	24	28	272	408	567	201	41	.94	0
MIN	37	22	18	14	17	25	80	213	30	.81	0	0

CAL YR	2006	TOTAL	16369.47	MEAN	44.8	MAX	309	MIN	0	AC-FT	32470
WTR YR	2007	TOTAL	28759.95	MEAN	78.8	MAX	567	MIN	0	AC-FT	57050

MAX DISCH: 612 CFS AT 14:00 ON May. 4, 2007 GH 5.04 FT. SHIFT 0 FT.
MAX GH: 5.04 FT. AT 14:00 ON May. 4, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, T. 35 N., R. 11 E., Conejos County, on left bank of main channel 125 ft downstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of LaSausés, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at five sites close to present location.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a four foot square timber shelter and well. A graphic water-stage recorder is operated as a data backup. There is a supplementary outside chain gage. Station is also equipped with an air temperature sensor. Datum of gage is 7,495.02 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 1, 1937.

REMARKS.--Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 29, 30, Dec. 1-15, 21-31, 2006; and Jan. 1-31, Feb. 3, 4, 2007. Record good, except for periods of ice affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORLASCO15 USED FROM 01-OCT-2006 TO 30-SEP-2007

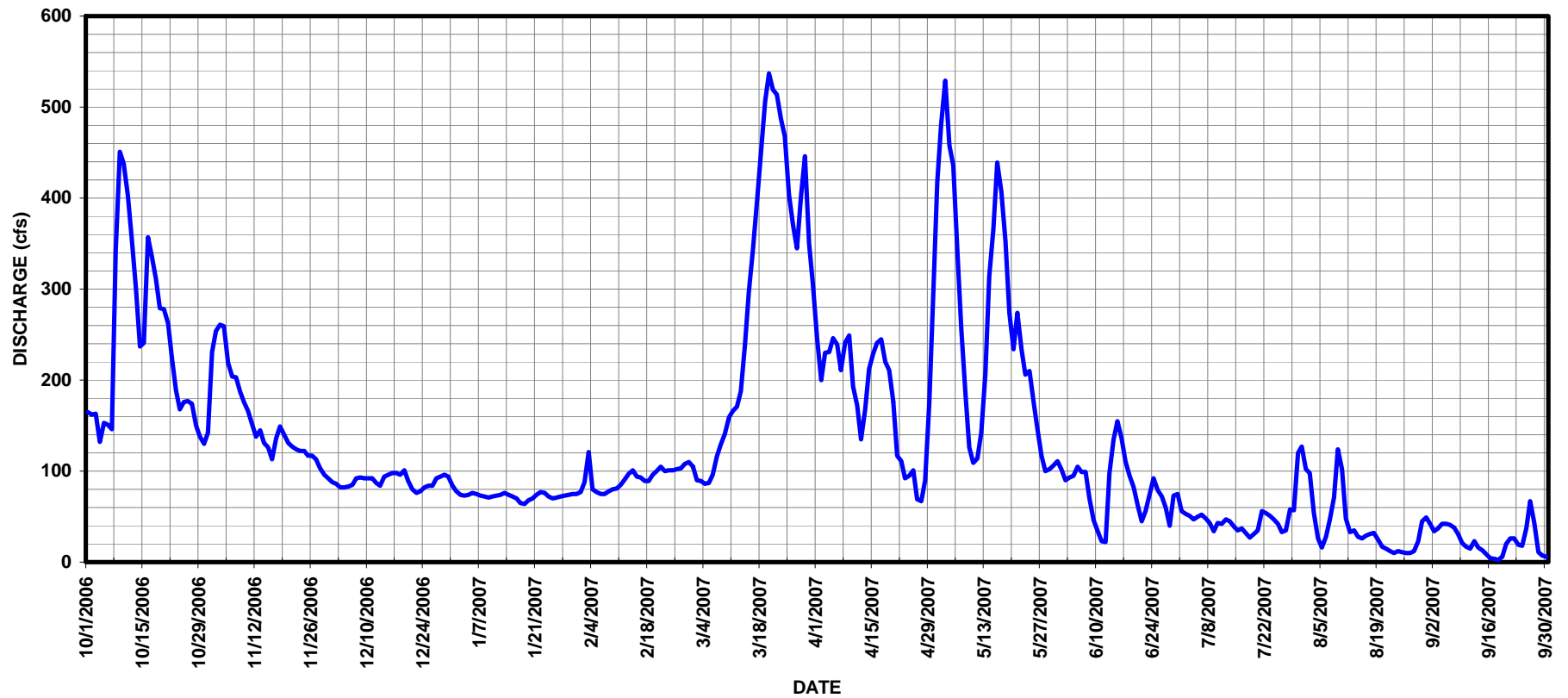
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	231	88	78	77	105	246	418	102	56	102	42
2	162	254	86	74	88	90	200	481	90	53	98	34
3	163	261	82	73	121	89	230	529	93	51	54	37
4	132	259	82	74	80	86	231	458	95	47	26	42
5	153	219	83	76	77	87	246	436	105	50	16	42
6	151	204	85	75	75	96	239	341	99	52	28	41
7	146	203	92	73	75	116	211	257	99	48	47	38
8	342	187	93	72	78	129	241	186	70	43	71	31
9	451	176	92	71	80	141	249	126	46	34	124	21
10	438	166	92	72	81	159	193	109	34	43	102	17
11	403	152	92	73	85	166	172	114	23	42	48	15
12	356	138	87	74	91	171	135	142	22	47	33	23
13	302	145	84	76	97	188	168	207	98	45	35	16
14	237	131	94	74	101	239	212	314	135	39	28	13
15	241	126	96	72	94	297	229	366	155	35	26	8.8
16	357	113	98	70	93	344	241	439	136	37	29	4.2
17	336	136	98	65	89	398	245	407	111	32	31	3.6
18	311	149	96	64	89	450	220	352	95	27	32	2.5
19	279	140	101	68	96	506	211	274	82	31	25	6.1
20	278	131	89	70	100	537	176	234	63	35	17	20
21	262	127	80	74	105	519	117	274	45	56	15	26
22	224	124	76	77	100	514	111	234	56	54	12	26
23	189	122	78	76	101	487	92	206	75	51	10	19
24	168	122	82	72	101	468	95	210	92	47	12	18
25	176	117	84	70	102	404	101	178	79	42	11	37
26	177	117	84	71	103	370	69	147	72	33	9.9	67
27	174	113	92	72	108	345	67	117	60	35	10	43
28	150	103	94	73	110	403	90	100	40	58	12	11
29	138	96	96	74	---	446	175	102	73	57	23	7.4
30	130	92	94	75	---	350	291	106	75	120	45	5.9
31	142	---	84	75	---	305	---	111	---	127	49	---
TOTAL	7333	4654	2754	2253	2597	9005	5503	7975	2420	1527	1180.9	717.5
MEAN	237	155	88.8	72.7	92.7	290	183	257	80.7	49.3	38.1	23.9
AC-FT	14550	9230	5460	4470	5150	17860	10920	15820	4800	3030	2340	1420
MAX	451	261	101	78	121	537	291	529	155	127	124	67
MIN	130	92	76	64	75	86	67	100	22	27	9.9	2.5
CAL YR 2006	TOTAL	32092.1	MEAN	87.9	MAX	451	MIN	2.5	AC-FT	63650		
WTR YR 2007	TOTAL	47919.4	MEAN	131	MAX	537	MIN	2.5	AC-FT	95050		

MAX DISCH: 592 CFS AT 15:30 ON Mar. 20, 2007 GH 4.39 FT. SHIFT 0.06 FT.
MAX GH: 4.39 FT. AT 15:30 ON Mar. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08249000 CONEJOS RIVER MAIN (NORTH) CHANNEL NEAR LASAUSES CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at various sites close to present location.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 4-ft. metal pipe shelter and well. A graphic water-stage recorder is operated as a data backup. Datum of gage is 7,496.89 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 14, 1965.

REMARKS.--Record is complete and reliable, except for Jan. 16 to Mar. 15, 2007, when the well and oil cylinder were frozen. Stage-discharge relation was affected by ice Nov. 29, 2006 to Jan. 15, 2007. There was no flow Aug. 23-29, Sep. 18, 19, 2007 (9 days). Due to unstable stage-discharge relation caused by degraded channel and weed growth, record is fair, except for periods of no gage-height, ice affected, and backwater affected record, which are poor. The period of Oct. 8-9, 2006, including the peak flow should also be considered poor, due to lack of measurement in that flow range. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOULASCO08 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

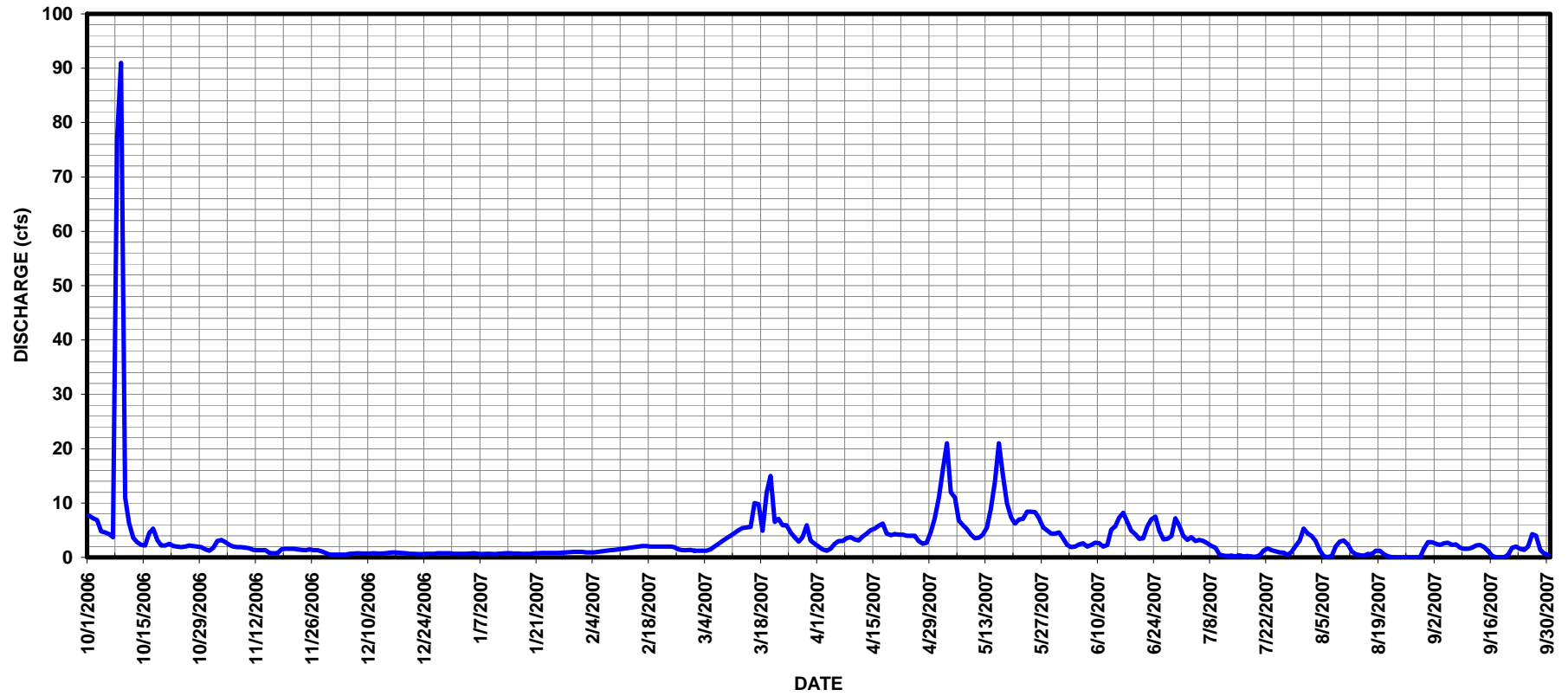
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	1.8	.52	.66	1.0	1.2	2.0	11	3.5	4.0	4.4	2.8
2	7.2	3.0	.51	.64	.90	1.2	1.5	16	2.3	3.2	3.9	2.5
3	6.9	3.2	.50	.64	.90	1.2	1.2	21	1.9	3.7	3.0	2.3
4	4.8	2.8	.51	.72	.90	1.2	1.6	12	2.0	3.0	1.4	2.6
5	4.6	2.3	.64	.74	1.0	1.5	2.5	11	2.4	3.2	.19	2.7
6	4.3	2.0	.70	.64	1.1	2.0	3.0	6.8	2.6	3.0	.06	2.3
7	3.7	1.9	.74	.60	1.2	2.5	3.0	5.9	2.0	2.6	.24	2.4
8	77	1.9	.70	.64	1.3	3.0	3.5	5.2	2.3	2.1	2.0	1.8
9	91	1.8	.70	.66	1.4	3.5	3.7	4.2	2.7	1.8	2.9	1.6
10	11	1.7	.72	.62	1.5	4.0	3.3	3.5	2.6	.52	3.1	1.6
11	6.3	1.4	.74	.66	1.6	4.5	3.1	3.6	2.0	.33	2.4	1.8
12	3.6	1.3	.70	.70	1.7	5.0	3.8	4.2	2.3	.26	1.1	2.2
13	2.8	1.3	.72	.74	1.8	5.4	4.4	5.5	5.1	.32	.55	2.3
14	2.3	1.3	.78	.76	1.9	5.5	5.0	8.9	5.7	.21	.40	1.9
15	2.2	.80	.86	.72	2.0	5.6	5.3	14	7.3	.38	.33	1.2
16	4.5	.76	.92	.70	2.1	10	5.8	21	8.2	.20	.59	.27
17	5.3	.77	.86	.68	2.1	9.8	6.2	15	6.6	.24	.63	.03
18	3.2	1.5	.82	.66	2.0	4.9	4.4	10	4.9	.15	1.2	0
19	2.2	1.6	.74	.68	2.0	12	4.1	7.4	4.3	.08	1.2	0
20	2.2	1.6	.68	.74	2.0	15	4.3	6.2	3.4	.34	.62	.52
21	2.5	1.6	.64	.78	2.0	6.5	4.2	7.0	3.5	1.2	.21	1.8
22	2.1	1.5	.60	.84	2.0	7.1	4.2	7.1	5.7	1.7	.03	2.0
23	2.0	1.4	.60	.82	2.0	5.9	4.0	8.4	7.0	1.3	0	1.6
24	1.9	1.3	.64	.80	1.9	5.9	4.0	8.4	7.5	1.1	0	1.4
25	2.0	1.5	.64	.80	1.5	4.6	4.0	8.3	4.9	.92	0	2.0
26	2.2	1.3	.66	.82	1.3	3.7	3.0	7.2	3.3	.87	0	4.3
27	2.1	1.3	.74	.88	1.3	2.9	2.5	5.5	3.4	.45	0	4.0
28	2.0	1.1	.74	.94	1.4	3.7	2.7	5.0	3.9	1.0	0	1.4
29	1.9	.80	.74	.98	---	5.9	4.7	4.4	7.2	2.1	0	.69
30	1.5	.50	.74	1.0	---	3.1	7.2	4.4	5.8	3.1	1.6	.46
31	1.2	---	.68	1.0	---	2.5	---	4.6	---	5.3	2.8	---
TOTAL	274.2	47.03	21.48	23.26	43.80	150.8	112.2	262.7	126.3	48.67	34.85	52.47
MEAN	8.85	1.57	.69	.75	1.56	4.86	3.74	8.47	4.21	1.57	1.12	1.75
AC-FT	544	93	43	46	87	299	223	521	251	97	69	104
MAX	91	3.2	.92	1.0	2.1	15	7.2	21	8.2	5.3	4.4	4.3
MIN	1.2	.50	.50	.60	.90	1.2	1.2	3.5	1.9	.08	0	0

CAL YR 2006 TOTAL 1025.13 MEAN 2.81 MAX 91 MIN 0 AC-FT 2030
WTR YR 2007 TOTAL 1197.76 MEAN 3.28 MAX 91 MIN 0 AC-FT 2380

MAX DISCH: 140 CFS AT 19:45 ON Oct. 8, 2006 GH 3.99 FT. GH CORR. 0.04 FT. SHIFT -0.37 FT.
MAX GH: 4.03 FT. (GH CORR. 0.04 FT. APPLIED) AT 19:45 ON Oct. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08249000 CONEJOS RIVER SECONDARY (SOUTH) CHANNEL NEAR LASAUSES CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, and SE¼NE¼ sec. 10 (two channels), T.35 N., R.11 E., Conejos County, Hydrologic Unit 13010005, on left bank of main channel 125 ft downstream from bridge on State Highway 158 and on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of Lasasuses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Mar. 1921, water stage recorders, at several locations close to present sites.

GAGE.--Two water-stage recorders with satellite telemetry. Datum of gage on main (north) channel is 7,495.02 ft above National Geodetic Vertical Datum of 1929, and on secondary (south) channel is 7,496.89 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Record good, except for periods of no gage height, ice affected, and backwater affected record, which are poor. See individual records for main (north) and secondary (south) channels. Diversions above station for irrigation of about 75,000 acres. Practically entire flow is diverted and record represents mainly return flow. Record developed by Div. III Hydrographic Staff.

COMBINED CONEJOS RIVER (NORLASCO & SOULASCO)

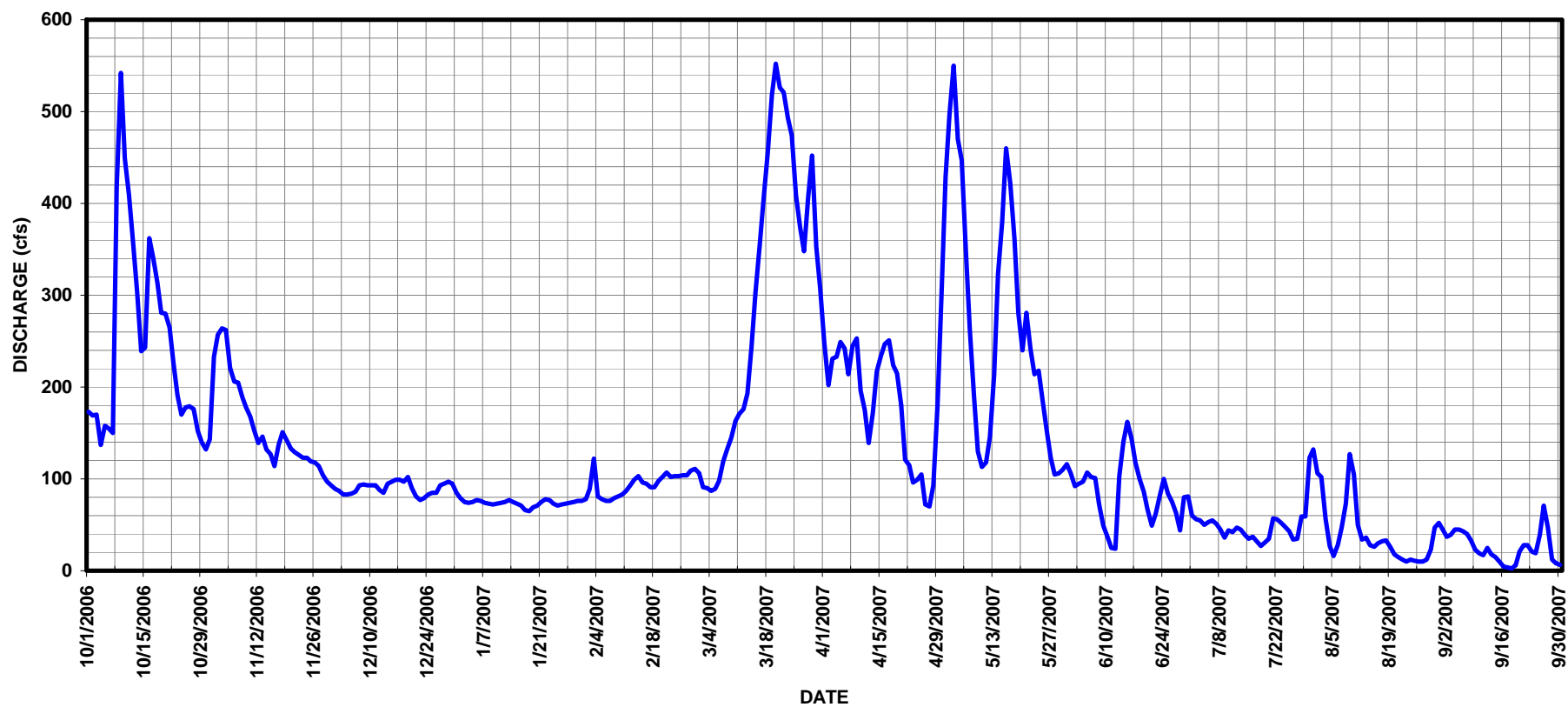
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	233	89	79	78	106	248	429	106	60	106	45
2	169	257	87	75	89	91	202	497	92	56	102	37
3	170	264	83	74	122	90	231	550	95	55	57	39
4	137	262	83	75	81	87	233	470	97	50	27	45
5	158	221	84	77	78	89	249	447	107	53	16	45
6	155	206	86	76	76	98	242	348	102	55	28	43
7	150	205	93	74	76	119	214	263	101	51	47	40
8	419	189	94	73	79	132	245	191	72	45	73	33
9	542	178	93	72	81	145	253	130	49	36	127	23
10	449	168	93	73	83	163	196	113	37	44	105	19
11	409	153	93	74	87	171	175	118	25	42	50	17
12	360	139	88	75	93	176	139	146	24	47	34	25
13	305	146	85	77	99	193	172	213	103	45	36	18
14	239	132	95	75	103	245	217	323	141	39	28	15
15	243	127	97	73	96	303	234	380	162	35	26	10
16	362	114	99	71	95	354	247	460	144	37	30	4.5
17	341	137	99	66	91	408	251	422	118	32	32	3.6
18	314	151	97	65	91	455	224	362	100	27	33	2.5
19	281	142	102	69	98	518	215	281	86	31	26	6.1
20	280	133	90	71	102	552	180	240	66	35	18	21
21	265	129	81	75	107	526	121	281	49	57	15	28
22	226	126	77	78	102	521	115	241	62	56	12	28
23	191	123	79	77	103	493	96	214	82	52	10	21
24	170	123	83	73	103	474	99	218	100	48	12	19
25	178	119	85	71	104	409	105	186	84	43	11	39
26	179	118	85	72	104	374	72	154	75	34	9.9	71
27	176	114	93	73	109	348	70	123	63	35	10	47
28	152	104	95	74	111	407	93	105	44	59	12	12
29	140	97	97	75	---	452	180	106	80	59	23	8.1
30	132	93	95	76	---	353	298	110	81	123	47	6.4
31	143	---	85	76	---	308	---	116	---	132	52	---
TOTAL	7608	4703	2785	2284	2641	9160	5616	8237	2547	1573	1214.9	771.2
MEAN	245	157	90	74	94	295	187	266	85	51	39.2	25.7
AC-FT	15090	9330	5520	4530	5240	18170	11140	16340	5050	3120	2410	1530
MAX	542	264	102	79	122	552	298	550	162	132	127	71
MIN	132	93	77	65	76	87	70	105	24	27	9.9	2.5

CAL YR	2006	TOTAL	33131.4	MEAN	90.8	MAX	542	MIN	3.1	AC-FT	65720
WTR YR	2007	TOTAL	49140.1	MEAN	135	MAX	552	MIN	2.5	AC-FT	97470

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08249000 CONEJOS RIVER NEAR LASAUSES CO (COMBINED)
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

LOCATION.--Lat 37°11'01", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA AND PERIOD OF RECORD.--220 mi². Station established April 1, 1927 by Colo. State Engineer's Office at present site, different datum. May 1931 new flume installed and datum established at the same site.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a metal shelter and rock well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8,000 ft from topographic map.

REMARKS.--Record is complete and reliable, except for January 16-27, 2007, when the well was frozen. Record is good, except for period when well was frozen, which is poor. During the winter the record may show a pattern of jagged peaks in the late morning hours. While this pattern does appear to be ice affected record, it has been verified by the hydrographic staff of Division III that this is caused by ice dams releasing water above the gage, and that this is good record. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CULSANCO06 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

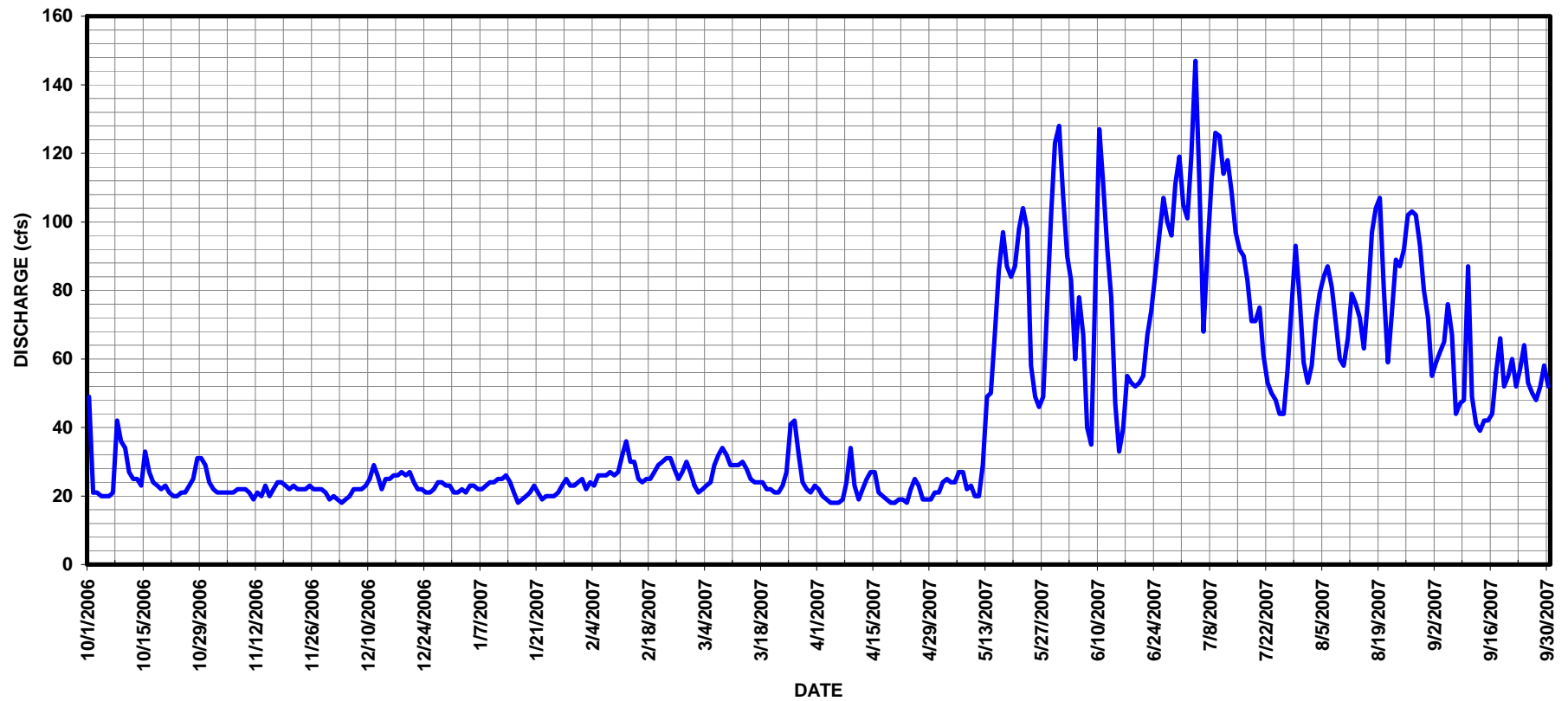
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	22	20	21	25	23	22	21	108	105	53	55
2	21	21	19	22	22	21	20	24	90	101	58	59
3	21	21	18	21	24	22	19	25	83	119	71	62
4	20	21	19	23	23	23	18	24	60	147	79	65
5	20	21	20	23	26	24	18	24	78	112	84	76
6	20	21	22	22	26	29	18	27	67	68	87	67
7	21	22	22	22	26	32	19	27	40	91	81	44
8	42	22	22	23	27	34	24	22	35	112	71	47
9	36	22	23	24	26	32	34	23	79	126	60	48
10	34	21	25	24	27	29	23	20	127	125	58	87
11	27	19	29	25	32	29	19	20	111	114	66	49
12	25	21	26	25	36	29	22	29	92	118	79	41
13	25	20	22	26	30	30	25	49	78	109	76	39
14	23	23	25	24	30	28	27	50	47	97	72	42
15	33	20	25	21	25	25	27	68	33	92	63	42
16	27	22	26	18	24	24	21	86	40	90	77	44
17	24	24	26	19	25	24	20	97	55	83	97	56
18	23	24	27	20	25	24	19	87	53	71	104	66
19	22	23	26	21	27	22	18	84	52	71	107	52
20	23	22	27	23	29	22	18	87	53	75	81	55
21	21	23	24	21	30	21	19	98	55	61	59	60
22	20	22	22	19	31	21	19	104	67	53	73	52
23	20	22	22	20	31	23	18	98	74	50	89	57
24	21	22	21	20	28	27	22	58	85	48	87	64
25	21	23	21	20	25	41	25	49	96	44	92	53
26	23	22	22	21	27	42	23	46	107	44	102	50
27	25	22	24	23	30	32	19	49	100	57	103	48
28	31	22	24	25	27	24	19	74	96	76	102	52
29	31	21	23	23	---	22	19	102	111	93	93	58
30	29	19	23	23	---	21	21	123	119	77	80	52
31	24	---	21	24	---	23	---	128	---	59	72	---
TOTAL	802	650	716	686	764	823	635	1823	2291	2688	2476	1642
MEAN	25.9	21.7	23.1	22.1	27.3	26.5	21.2	58.8	76.4	86.7	79.9	54.7
AC-FT	1590	1290	1420	1360	1520	1630	1260	3620	4540	5330	4910	3260
MAX	49	24	29	26	36	42	34	128	127	147	107	87
MIN	20	19	18	18	22	21	18	20	33	44	53	39

CAL YR	2006	TOTAL	14451	MEAN	39.6	MAX	115	MIN	15	AC-FT	28660
WTR YR	2007	TOTAL	15996	MEAN	43.8	MAX	147	MIN	18	AC-FT	31730

MAX DISCH: 189 CFS AT 00:15 ON Jul. 5, 2007 GH 2.12 FT. SHIFT 0.01 FT.
MAX GH: 2.12 FT. AT 00:15 ON Jul. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08250000 CULEBRA CREEK AT SAN LUIS CO
WY2007 HYDROGRAPH



RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec. 27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

DRAINAGE AREA AND PERIOD OF RECORD.--7,700 mi². approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Colo. June 28, 1899-Nov. 7, 1910, non-recording gage; Nov. 8, 1910, water stage recorder, at present site and datum.

GAGE.--Primary record is generated by an electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a four foot square timber shelter and cobblestone well. A graphic water-stage recorder is operated as a data backup. Station is also equipped with a water temperature sensor. Auxiliary outside slope gage. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice Nov. 30, 2006 through Mar. 6, 2007. Record is good, except for periods of ice-affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOLOBCO03 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

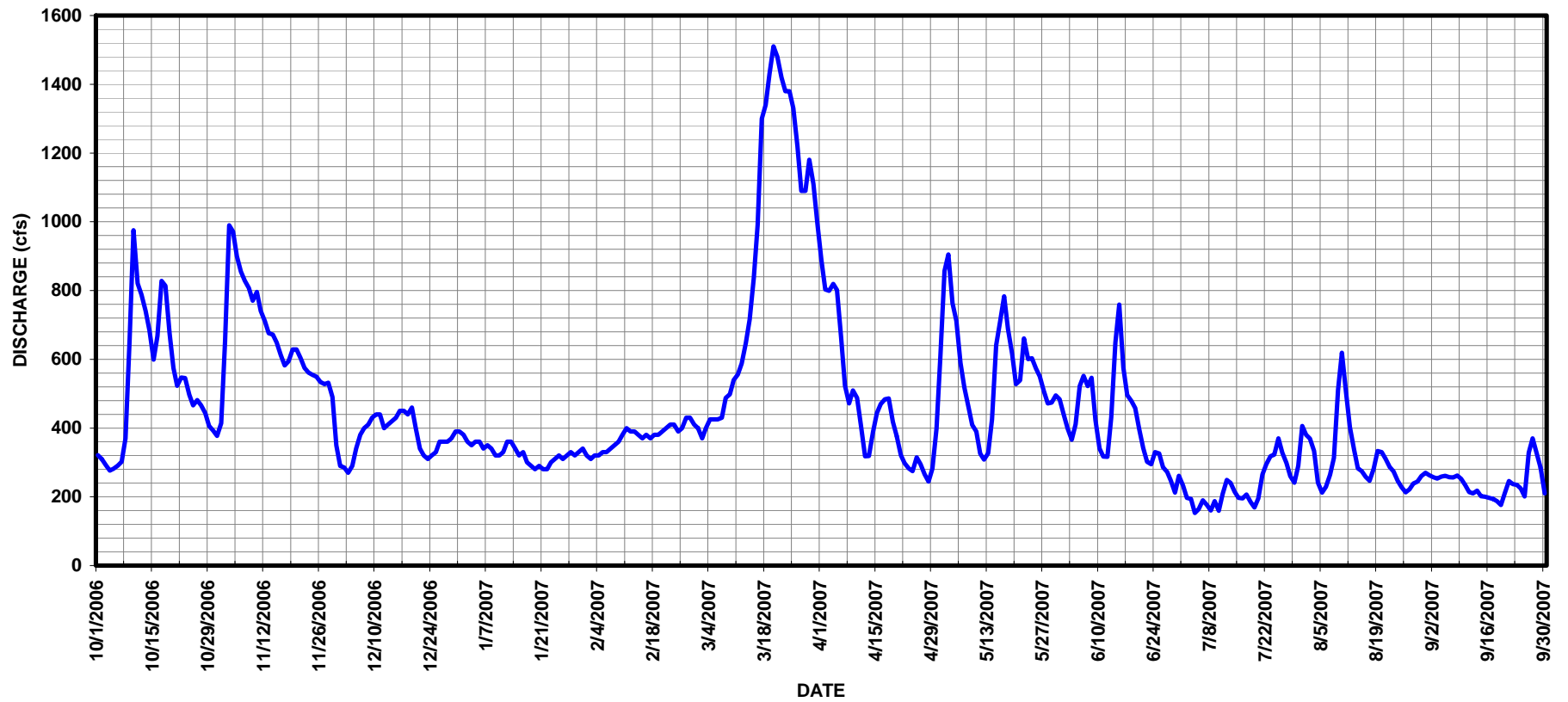
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	321	414	290	380	320	400	888	609	439	233	380	263
2	309	652	285	360	310	370	803	857	399	197	369	257
3	292	990	270	350	320	400	799	905	366	194	333	253
4	276	971	290	360	320	425	819	763	411	153	241	259
5	282	899	340	360	330	425	802	712	522	164	212	261
6	291	855	380	340	330	425	664	589	552	190	229	257
7	302	829	400	350	340	430	524	518	522	177	264	256
8	370	807	410	340	350	488	472	461	546	160	313	262
9	659	770	430	320	360	498	509	409	424	187	511	252
10	975	796	440	320	380	540	488	390	340	159	619	234
11	821	741	440	330	400	556	408	326	317	208	504	214
12	788	711	400	360	390	588	318	308	316	249	403	210
13	741	676	410	360	390	647	319	327	432	240	338	218
14	684	672	420	340	380	716	389	425	649	215	283	202
15	599	649	430	320	370	837	444	641	759	197	275	200
16	668	612	450	330	380	991	470	708	575	195	258	197
17	828	582	450	300	370	1300	484	783	496	207	247	194
18	814	594	440	290	380	1340	486	688	479	185	282	187
19	676	629	460	280	380	1430	418	616	458	169	333	176
20	575	629	400	290	390	1510	376	528	395	195	330	211
21	523	603	340	280	400	1480	321	539	342	265	311	246
22	547	575	320	280	410	1420	298	661	302	295	287	237
23	545	561	310	300	410	1380	283	601	295	318	274	235
24	497	555	320	310	390	1380	275	603	330	323	247	224
25	466	549	330	320	400	1330	315	573	326	370	228	201
26	481	534	360	310	430	1220	295	550	286	328	213	328
27	466	528	360	320	430	1090	265	509	272	299	222	370
28	444	532	360	330	410	1090	244	472	247	260	239	326
29	406	490	370	320	---	1180	282	474	212	241	244	284
30	392	350	390	330	---	1110	399	495	261	290	260	210
31	377	---	390	340	---	998	---	484	---	406	270	---
TOTAL	16415	19755	11685	10120	10470	27994	13857	17524	12270	7269	9519	7224
MEAN	530	659	377	326	374	903	462	565	409	234	307	241
AC-FT	32560	39180	23180	20070	20770	55530	27490	34760	24340	14420	18880	14330
MAX	975	990	460	380	430	1510	888	905	759	406	619	370
MIN	276	350	270	280	310	370	244	308	212	153	212	176
CAL YR 2006	TOTAL	114474	MEAN	314	MAX	990	MIN	97	AC-FT	227100		
WTR YR 2007	TOTAL	164102	MEAN	450	MAX	1510	MIN	153	AC-FT	325500		

MAX DISCH: 1560 CFS AT 07:00 ON Mar. 20, 2007 GH 3.22 FT. SHIFT -0.03 FT.

MAX GH: 3.24 FT. AT 19:15 ON Nov. 30, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08251500 RIO GRANDE NEAR LOBATOS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

LOCATION.--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec. 18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork Creek (tributary to Middle Fork Saguache Creek) in NE¼ sec. 18, T.43 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite monitoring system at a 2.5-ft. Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	4.0	3.3	2.7
2	0	0	0	0	0	0	0	0	0	3.9	3.3	2.4
3	0	0	0	0	0	0	0	0	0	3.8	3.2	2.4
4	0	0	0	0	0	0	0	0	0	3.8	3.4	2.4
5	0	0	0	0	0	0	0	0	0	4.1	3.8	3.0
6	0	0	0	0	0	0	0	0	4.4	4.0	6.2	2.5
7	0	0	0	0	0	0	0	0	8.2	3.7	6.6	2.3
8	0	0	0	0	0	0	0	0	7.2	3.7	6.5	2.3
9	0	0	0	0	0	0	0	0	7.1	3.5	6.5	2.3
10	0	0	0	0	0	0	0	0	7.8	3.4	6.3	2.2
11	0	0	0	0	0	0	0	0	7.8	3.6	6.2	2.2
12	0	0	0	0	0	0	0	0	9.0	3.7	5.6	2.0
13	0	0	0	0	0	0	0	0	8.1	3.5	5.0	1.9
14	0	0	0	0	0	0	0	0	8.5	3.3	5.1	1.8
15	0	0	0	0	0	0	0	0	9.2	3.1	5.8	1.8
16	0	0	0	0	0	0	0	0	9.1	3.1	5.3	1.8
17	0	0	0	0	0	0	0	0	8.6	3.3	5.5	2.1
18	0	0	0	0	0	0	0	0	8.4	3.4	5.8	1.9
19	0	0	0	0	0	0	0	0	7.7	3.5	5.6	1.7
20	0	0	0	0	0	0	0	0	7.4	3.7	5.4	1.7
21	0	0	0	0	0	0	0	0	6.9	3.2	5.2	1.7
22	0	0	0	0	0	0	0	0	6.6	4.1	5.0	1.6
23	0	0	0	0	0	0	0	0	6.2	3.5	4.7	2.4
24	0	0	0	0	0	0	0	0	6.2	3.5	4.6	2.1
25	0	0	0	0	0	0	0	0	5.9	3.4	4.3	2.0
26	0	0	0	0	0	0	0	0	5.8	3.5	4.1	1.9
27	0	0	0	0	0	0	0	0	5.7	3.7	4.0	2.0
28	0	0	0	0	0	0	0	0	5.5	3.6	3.7	2.0
29	0	0	0	0	---	0	0	0	5.2	3.7	3.4	2.3
30	0	0	0	0	---	0	0	0	4.5	3.3	3.0	2.2
31	0	---	0	0	---	0	---	0	---	3.3	2.9	---
TOTAL	0	0	0	0	0	0	0	0	177.0	110.9	149.3	63.6
MEAN	0	0	0	0	0	0	0	0	5.90	3.58	4.82	2.12
AC-FT	0	0	0	0	0	0	0	0	351	220	296	126
MAX	0	0	0	0	0	0	0	0	9.2	4.1	6.6	3.0
MIN	0	0	0	0	0	0	0	0	0	3.1	2.9	1.6

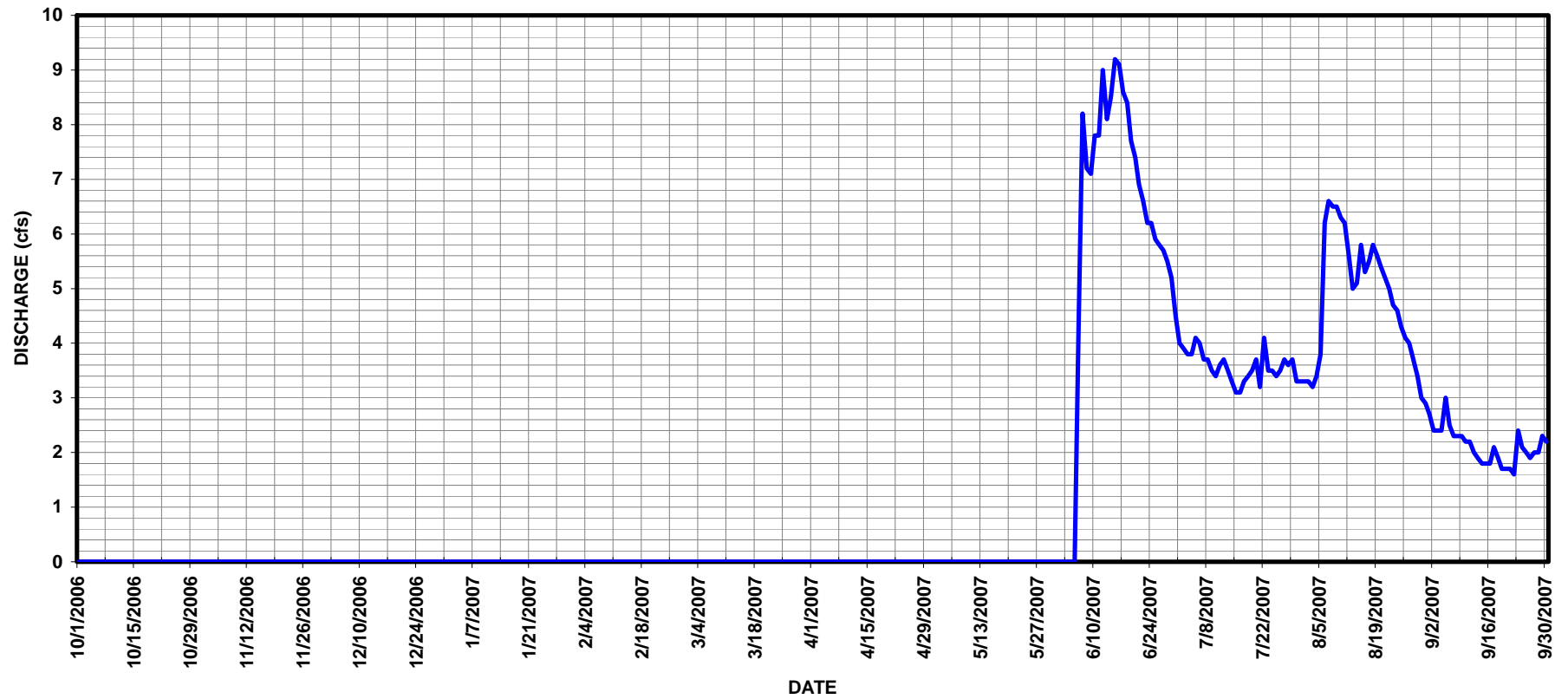
CAL YR	2006	TOTAL	116.3	MEAN	.32	MAX	6.7	MIN	0	AC-FT	231
WTR YR	2007	TOTAL	500.8	MEAN	1.37	MAX	9.2	MIN	0	AC-FT	993

MAX DISCH: 12.1 CFS AT 08:45 ON Jun. 7, 2007 GH 1.12 FT. SHIFT 0.01 FT.

MAX GH: 1.12 FT. AT 08:45 ON Jun. 7, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09118200 TARBELL DITCH NEAR COCHETOPA PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec. 35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Steven's Data Logger and satellite monitoring system at 3-ft. Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	0	0	0	0	0	0	0	13	3.5	3.1	2.1
2	1.0	0	0	0	0	0	0	0	14	3.4	2.9	2.0
3	1.1	0	0	0	0	0	0	0	14	3.2	3.1	1.9
4	1.0	0	0	0	0	0	0	0	12	3.1	3.0	1.9
5	1.4	0	0	0	0	0	0	0	14	3.1	2.9	1.9
6	2.0	0	0	0	0	0	0	0	13	3.2	3.9	1.8
7	2.6	0	0	0	0	0	0	0	7.8	3.1	4.2	1.7
8	2.6	0	0	0	0	0	0	0	6.8	2.9	4.1	1.6
9	2.7	0	0	0	0	0	0	0	9.6	2.8	4.0	1.6
10	2.8	0	0	0	0	0	0	0	9.9	2.7	4.2	1.5
11	2.8	0	0	0	0	0	0	0	8.7	2.6	4.0	1.5
12	2.8	0	0	0	0	0	0	0	8.6	2.7	4.0	1.4
13	2.8	0	0	0	0	0	0	0	8.4	2.8	4.0	1.4
14	2.8	0	0	0	0	0	0	0	10	2.7	3.8	1.3
15	2.8	0	0	0	0	0	0	3.1	11	2.5	3.6	1.3
16	1.5	0	0	0	0	0	0	6.1	8.8	2.4	3.5	1.4
17	0	0	0	0	0	0	0	6.5	9.1	2.4	3.5	1.5
18	0	0	0	0	0	0	0	9.3	8.3	2.3	3.3	1.4
19	0	0	0	0	0	0	0	11	7.1	2.6	3.2	1.3
20	0	0	0	0	0	0	0	11	6.7	2.6	3.0	1.3
21	0	0	0	0	0	0	0	9.7	6.3	2.7	2.9	1.2
22	0	0	0	0	0	0	0	8.4	5.9	3.2	2.8	1.2
23	0	0	0	0	0	0	0	6.1	5.7	2.8	2.6	1.7
24	0	0	0	0	0	0	0	5.4	5.5	2.8	2.6	1.5
25	0	0	0	0	0	0	0	4.9	5.3	2.6	2.5	1.4
26	0	0	0	0	0	0	0	4.4	5.0	2.6	2.4	1.3
27	0	0	0	0	0	0	0	4.3	4.7	2.7	2.3	1.3
28	0	0	0	0	0	0	0	5.8	4.3	2.9	2.3	1.3
29	0	0	0	0	---	0	0	7.9	3.8	3.2	2.2	1.3
30	0	0	0	0	---	0	0	8.1	3.7	3.3	2.1	1.2
31	0	---	0	0	---	0	---	10	---	3.2	2.1	---
TOTAL	33.8	0	0	0	0	0	0	122.0	251.0	88.6	98.1	45.2
MEAN	1.09	0	0	0	0	0	0	3.94	8.37	2.86	3.16	1.51
AC-FT	67	0	0	0	0	0	0	242	498	176	195	90
MAX	2.8	0	0	0	0	0	0	11	14	3.5	4.2	2.1
MIN	0	0	0	0	0	0	0	0	3.7	2.3	2.1	1.2

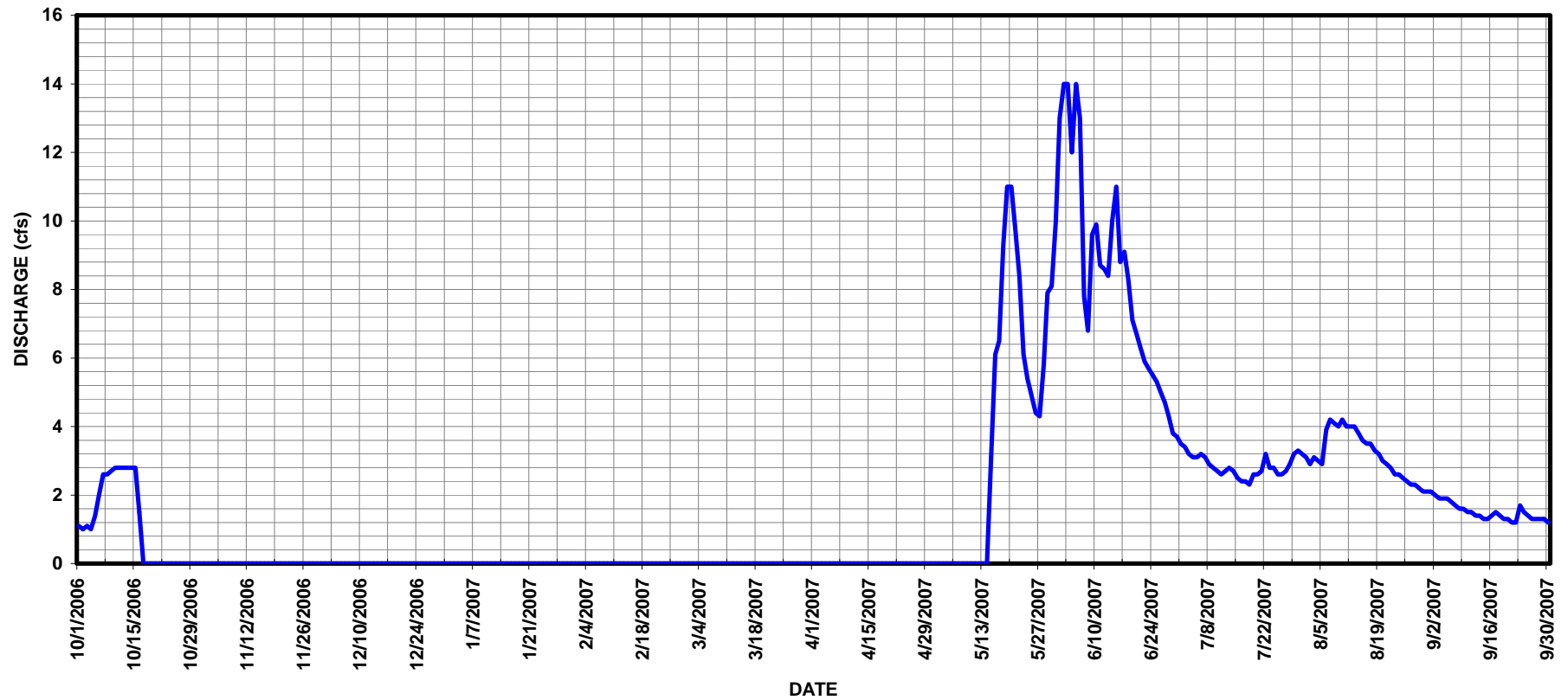
CAL YR	2006	TOTAL	420.89	MEAN	1.15	MAX	8.4	MIN	0	AC-FT	835
WTR YR	2007	TOTAL	638.7	MEAN	1.75	MAX	14	MIN	0	AC-FT	1270

MAX DISCH: 19 CFS AT 18:30 ON Jun. 5, 2007 GH 1.28 FT. SHIFT 0.06 FT.

MAX GH: 1.28 FT. AT 18:30 ON Jun. 5, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09121000 TABOR DITCH AT SPRING CREEK PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec. 5, T.37 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2-ft. Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1.7	0	0	0
7	0	0	0	0	0	0	0	0	4.2	0	0	0
8	0	0	0	0	0	0	0	0	3.6	0	0	0
9	0	0	0	0	0	0	0	0	3.6	0	0	0
10	0	0	0	0	0	0	0	0	4.1	0	0	0
11	0	0	0	0	0	0	0	0	4.8	0	0	0
12	0	0	0	0	0	0	0	0	5.5	0	0	0
13	0	0	0	0	0	0	0	0	5.7	0	0	0
14	0	0	0	0	0	0	0	0	5.9	0	0	0
15	0	0	0	0	0	0	0	0	6.1	0	0	0
16	0	0	0	0	0	0	0	0	6.2	0	0	0
17	0	0	0	0	0	0	0	0	6.1	0	0	0
18	0	0	0	0	0	0	0	0	6.4	0	0	0
19	0	0	0	0	0	0	0	0	6.0	0	0	0
20	0	0	0	0	0	0	0	0	5.4	0	0	0
21	0	0	0	0	0	0	0	0	4.6	0	0	0
22	0	0	0	0	0	0	0	0	4.1	0	0	0
23	0	0	0	0	0	0	0	0	3.9	0	0	0
24	0	0	0	0	0	0	0	0	3.9	0	0	0
25	0	0	0	0	0	0	0	0	3.8	0	0	0
26	0	0	0	0	0	0	0	0	3.4	0	0	0
27	0	0	0	0	0	0	0	0	1.6	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	100.6	0	0	0
MEAN	0	0	0	0	0	0	0	0	3.35	0	0	0
AC-FT	0	0	0	0	0	0	0	0	200	0	0	0
MAX	0	0	0	0	0	0	0	0	6.4	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

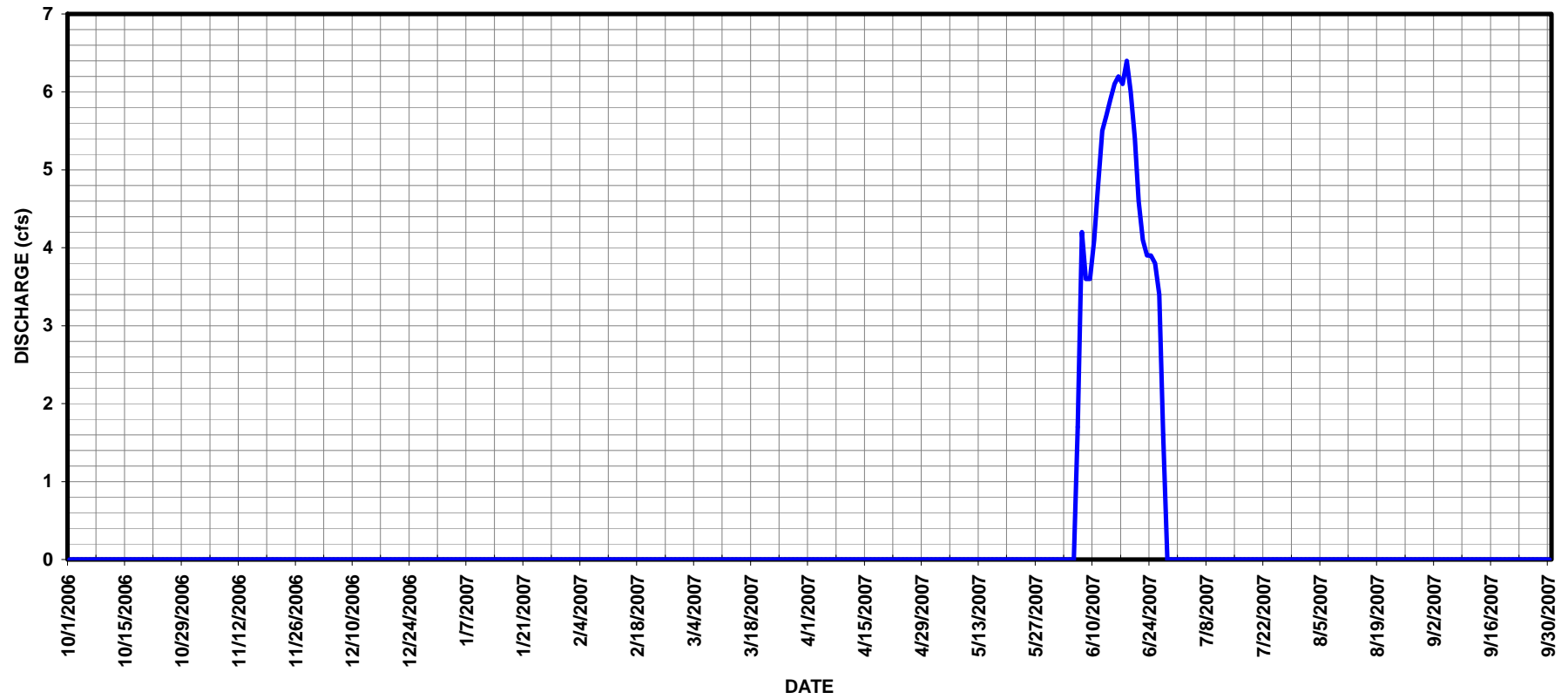
CAL YR	2006	TOTAL	36.15	MEAN	.099	MAX	3	MIN	0	AC-FT	72
WTR YR	2007	TOTAL	100.6	MEAN	.28	MAX	6.4	MIN	0	AC-FT	200

MAX DISCH: 7.5 CFS AT 11:30 ON Jun. 20, 2007 GH 0.90 FT. SHIFT 0.06 FT.

MAX GH: 0.90 FT. AT 11:30 ON Jun. 20, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO

LOCATION.--SW $\frac{1}{4}$ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 9-in. Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

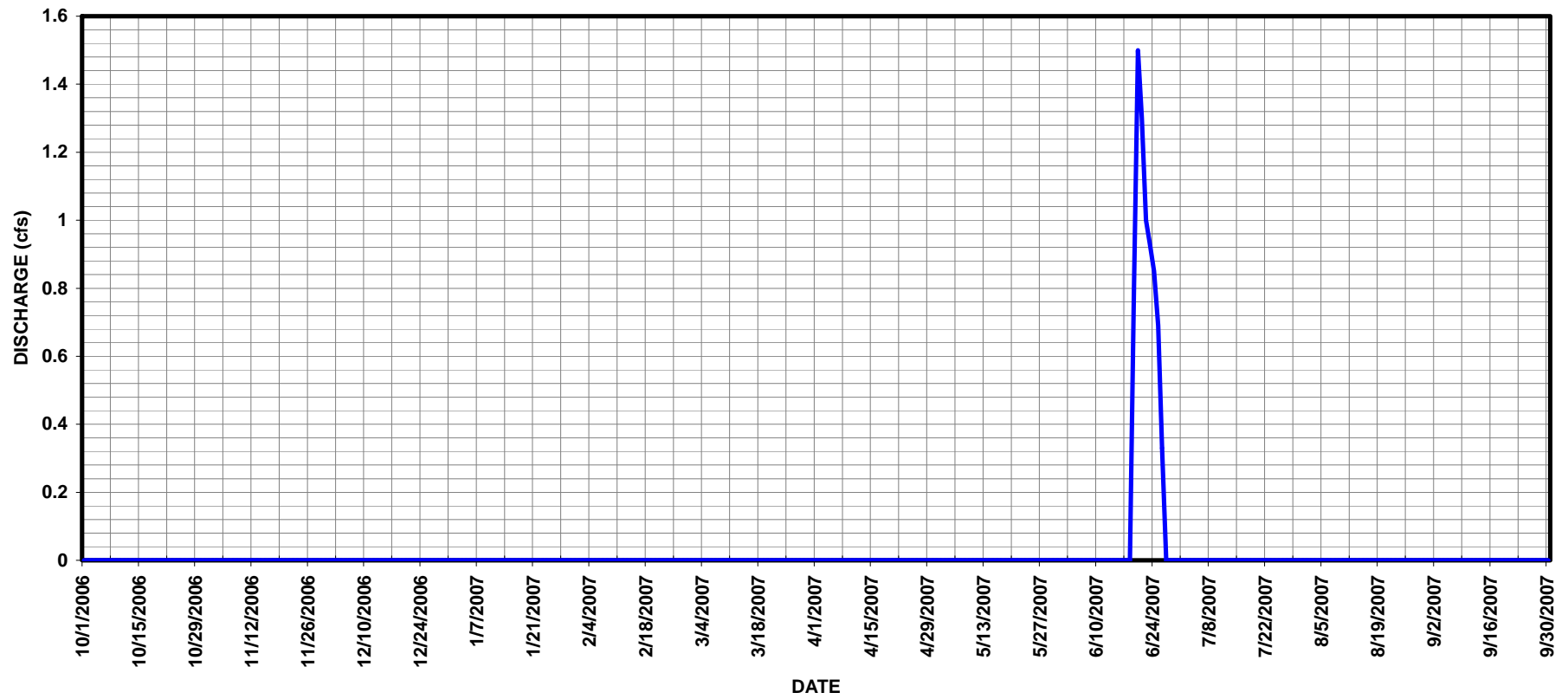
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	.77	0	0	0
20	0	0	0	0	0	0	0	0	1.5	0	0	0
21	0	0	0	0	0	0	0	0	1.3	0	0	0
22	0	0	0	0	0	0	0	0	1.0	0	0	0
23	0	0	0	0	0	0	0	0	.93	0	0	0
24	0	0	0	0	0	0	0	0	.85	0	0	0
25	0	0	0	0	0	0	0	0	.69	0	0	0
26	0	0	0	0	0	0	0	0	.33	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	7.37	0	0	0
MEAN	0	0	0	0	0	0	0	0	.25	0	0	0
AC-FT	0	0	0	0	0	0	0	0	15	0	0	0
MAX	0	0	0	0	0	0	0	0	1.5	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2007	TOTAL	7.37	MEAN	.02	MAX	1.5	MIN	0	AC-FT	15

MAX DISCH: 2.57 CFS AT 15:00 ON Jun. 19, 2007 GH 0.92 FT. SHIFT -0.03 FT.
MAX GH: 0.92 FT. AT 15:00 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH N0.2 AT PIEDRA PASS, CO

LOCATION.--SW $\frac{1}{4}$ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River in San Juan River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Stevens Data logger and satellite monitoring system at 1.5-ft Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT2CO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	3.2	.74	.56
2	0	0	0	0	0	0	0	0	0	2.7	.70	.36
3	0	0	0	0	0	0	0	0	0	2.5	.83	.20
4	0	0	0	0	0	0	0	0	0	2.2	.71	.25
5	0	0	0	0	0	0	0	0	0	2.0	.98	.23
6	0	0	0	0	0	0	0	0	0	1.8	3.2	.25
7	0	0	0	0	0	0	0	0	0	1.7	4.0	.17
8	0	0	0	0	0	0	0	0	0	1.5	3.7	.17
9	0	0	0	0	0	0	0	0	0	1.4	3.0	.17
10	0	0	0	0	0	0	0	0	0	1.3	2.4	.17
11	0	0	0	0	0	0	0	0	0	1.3	2.1	.17
12	0	0	0	0	0	0	0	0	0	1.1	1.8	.09
13	0	0	0	0	0	0	0	0	0	1.1	1.6	0
14	0	0	0	0	0	0	0	0	0	1.0	1.4	0
15	0	0	0	0	0	0	0	0	0	.94	1.3	0
16	0	0	0	0	0	0	0	0	0	.80	1.3	0
17	0	0	0	0	0	0	0	0	0	.74	1.1	0
18	0	0	0	0	0	0	0	0	0	.75	1.0	0
19	0	0	0	0	0	0	0	0	2.9	.68	.93	0
20	0	0	0	0	0	0	0	0	5.3	.90	.80	0
21	0	0	0	0	0	0	0	0	4.3	.97	.71	0
22	0	0	0	0	0	0	0	0	3.8	.96	.64	0
23	0	0	0	0	0	0	0	0	4.0	.71	.59	0
24	0	0	0	0	0	0	0	0	4.1	.71	.53	0
25	0	0	0	0	0	0	0	0	3.6	.77	.39	0
26	0	0	0	0	0	0	0	0	4.3	.78	.27	0
27	0	0	0	0	0	0	0	0	4.4	.89	.28	0
28	0	0	0	0	0	0	0	0	3.8	.84	.30	0
29	0	0	0	0	---	0	0	0	3.6	.89	.43	0
30	0	0	0	0	---	0	0	0	3.2	1.0	.41	0
31	0	---	0	0	---	0	---	0	---	.88	.88	---
TOTAL	0	0	0	0	0	0	0	0	47.3	39.01	39.02	2.79
MEAN	0	0	0	0	0	0	0	0	1.58	1.26	1.26	.093
AC-FT	0	0	0	0	0	0	0	0	94	77	77	5.5
MAX	0	0	0	0	0	0	0	0	5.3	3.2	4.0	.56
MIN	0	0	0	0	0	0	0	0	0	.68	.27	0

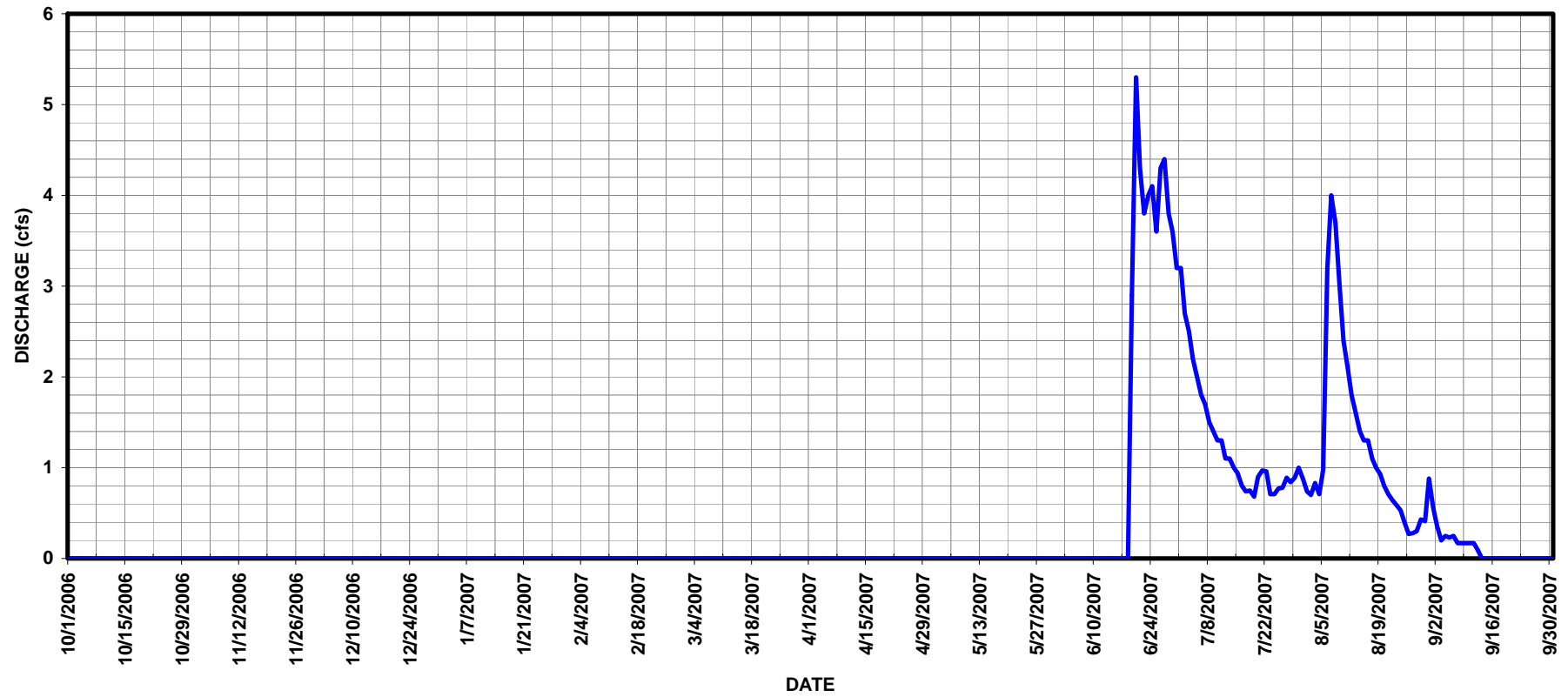
CAL YR	2006	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2007	TOTAL	128.12	MEAN	.35	MAX	5.3	MIN	0	AC-FT	254

MAX DISCH: 8.57 CFS AT 13:45 ON Aug. 7, 2007 GH 1.24 FT. SHIFT 0.02 FT.

MAX GH: 1.59 FT. AT 21:00 ON Aug. 30, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09347000 DON LA FONT DITCH N0.2 AT PIEDRA PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO

LOCATION.--Don La Font ditches 1 and 2 divert water from tributaries of Piedra River between headgates in NW¼ sec. 4, T.38 N., R.1 W., and SW¼ sec. 33, T.39 N., R.1 W., and Piedra pass, in San Juan River basin, to Red Mountain Creek in sec. 33, T.39 N., R.1 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorders.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

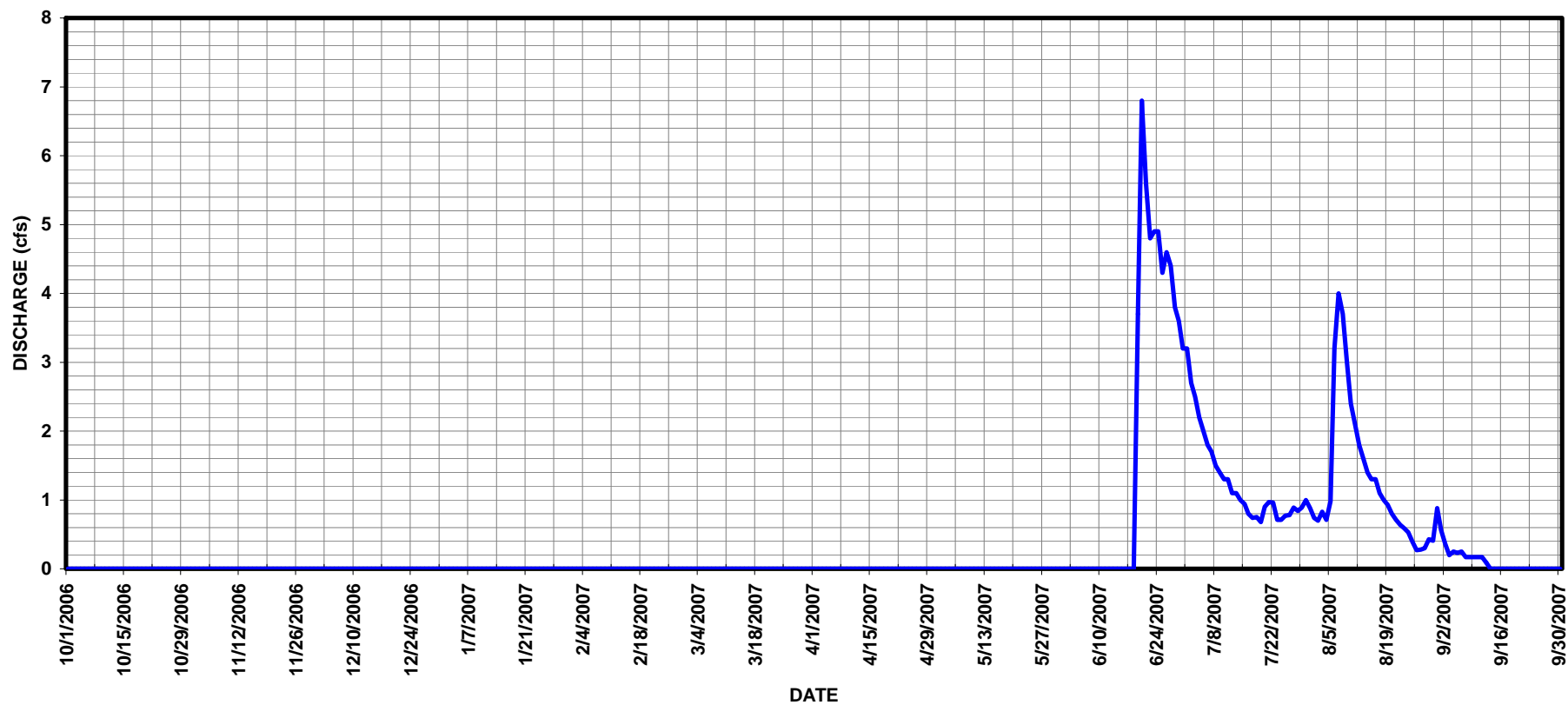
DON LA FONT DITCH COMBINED (DITCH NO. 1 & 2)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	3.2	.74	.56
2	0	0	0	0	0	0	0	0	0	2.7	.7	.36
3	0	0	0	0	0	0	0	0	0	2.5	.83	.2
4	0	0	0	0	0	0	0	0	0	2.2	.71	.25
5	0	0	0	0	0	0	0	0	0	2	.98	.23
6	0	0	0	0	0	0	0	0	0	1.8	3.2	.25
7	0	0	0	0	0	0	0	0	0	1.7	4	.17
8	0	0	0	0	0	0	0	0	0	1.5	3.7	.17
9	0	0	0	0	0	0	0	0	0	1.4	3	.17
10	0	0	0	0	0	0	0	0	0	1.3	2.4	.17
11	0	0	0	0	0	0	0	0	0	1.3	2.1	.17
12	0	0	0	0	0	0	0	0	0	1.1	1.8	.09
13	0	0	0	0	0	0	0	0	0	1.1	1.6	0
14	0	0	0	0	0	0	0	0	0	1	1.4	0
15	0	0	0	0	0	0	0	0	0	.94	1.3	0
16	0	0	0	0	0	0	0	0	0	.8	1.3	0
17	0	0	0	0	0	0	0	0	0	.74	1.1	0
18	0	0	0	0	0	0	0	0	0	.75	1	0
19	0	0	0	0	0	0	0	0	3.7	.68	.93	0
20	0	0	0	0	0	0	0	0	6.8	.9	.8	0
21	0	0	0	0	0	0	0	0	5.6	.97	.71	0
22	0	0	0	0	0	0	0	0	4.8	.96	.64	0
23	0	0	0	0	0	0	0	0	4.9	.71	.59	0
24	0	0	0	0	0	0	0	0	4.9	.71	.53	0
25	0	0	0	0	0	0	0	0	4.3	.77	.39	0
26	0	0	0	0	0	0	0	0	4.6	.78	.27	0
27	0	0	0	0	0	0	0	0	4.4	.89	.28	0
28	0	0	0	0	0	0	0	0	3.8	.84	.3	0
29	0	0	0	0	---	0	0	0	3.6	.89	.43	0
30	0	0	0	0	---	0	0	0	3.2	1	.41	0
31	0	---	0	0	---	0	---	0	---	.88	.88	---
TOTAL	0	0	0	0	0	0	0	0	54.6	39.01	39.02	2.79
MEAN	0	0	0	0	0	0	0	0	1.82	1.26	1.26	.09
AC-FT	0	0	0	0	0	0	0	0	108	77	77	5.5
MAX	0	0	0	0	0	0	0	0	6.8	3.2	4	.56
MIN	0	0	0	0	0	0	0	0	0	.68	.27	0
CAL YR 2006	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2007	TOTAL	135.42	MEAN	.37	MAX	6.8	MIN	0	AC-FT	269		

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Satellite monitored DCP at a 2-ft. Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WCS DITCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

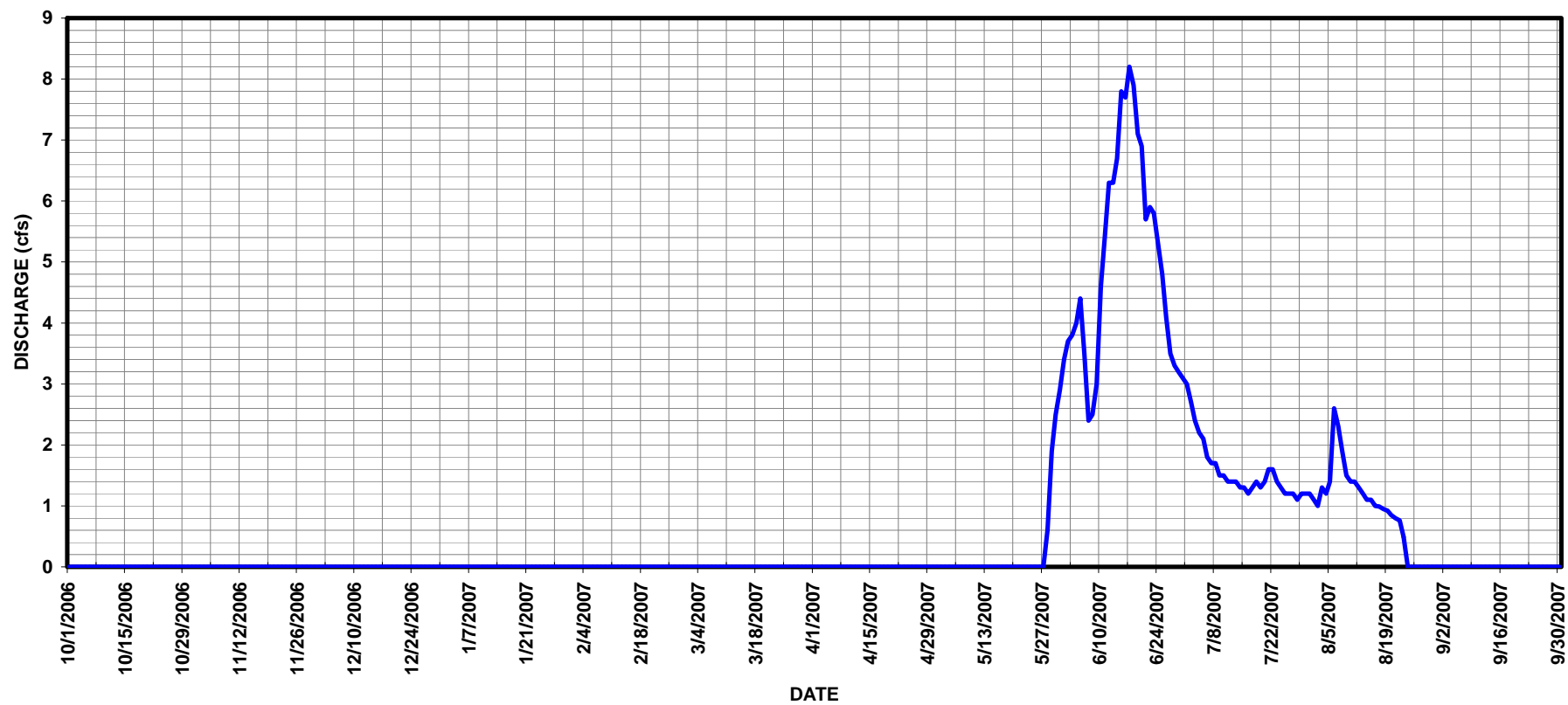
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	3.4	3.0	1.1	0
2	0	0	0	0	0	0	0	0	3.7	2.7	1.0	0
3	0	0	0	0	0	0	0	0	3.8	2.4	1.3	0
4	0	0	0	0	0	0	0	0	4.0	2.2	1.2	0
5	0	0	0	0	0	0	0	0	4.4	2.1	1.4	0
6	0	0	0	0	0	0	0	0	3.5	1.8	2.6	0
7	0	0	0	0	0	0	0	0	2.4	1.7	2.3	0
8	0	0	0	0	0	0	0	0	2.5	1.7	1.9	0
9	0	0	0	0	0	0	0	0	3.0	1.5	1.5	0
10	0	0	0	0	0	0	0	0	4.6	1.5	1.4	0
11	0	0	0	0	0	0	0	0	5.4	1.4	1.4	0
12	0	0	0	0	0	0	0	0	6.3	1.4	1.3	0
13	0	0	0	0	0	0	0	0	6.3	1.4	1.2	0
14	0	0	0	0	0	0	0	0	6.7	1.3	1.1	0
15	0	0	0	0	0	0	0	0	7.8	1.3	1.1	0
16	0	0	0	0	0	0	0	0	7.7	1.2	1.0	0
17	0	0	0	0	0	0	0	0	8.2	1.3	.99	0
18	0	0	0	0	0	0	0	0	7.9	1.4	.95	0
19	0	0	0	0	0	0	0	0	7.1	1.3	.92	0
20	0	0	0	0	0	0	0	0	6.9	1.4	.85	0
21	0	0	0	0	0	0	0	0	5.7	1.6	.80	0
22	0	0	0	0	0	0	0	0	5.9	1.6	.76	0
23	0	0	0	0	0	0	0	0	5.8	1.4	.49	0
24	0	0	0	0	0	0	0	0	5.3	1.3	0	0
25	0	0	0	0	0	0	0	0	4.8	1.2	0	0
26	0	0	0	0	0	0	0	0	4.1	1.2	0	0
27	0	0	0	0	0	0	0	0	3.5	1.2	0	0
28	0	0	0	0	0	0	0	.61	3.3	1.1	0	0
29	0	0	0	0	---	0	0	1.9	3.2	1.2	0	0
30	0	0	0	0	---	0	0	2.5	3.1	1.2	0	0
31	0	---	0	0	---	0	---	2.9	---	1.2	0	---
TOTAL	0	0	0	0	0	0	0	7.91	150.3	48.2	28.56	0
MEAN	0	0	0	0	0	0	0	.26	5.01	1.55	.92	0
AC-FT	0	0	0	0	0	0	0	16	298	96	57	0
MAX	0	0	0	0	0	0	0	2.9	8.2	3.0	2.6	0
MIN	0	0	0	0	0	0	0	0	2.4	1.1	0	0

CAL YR	2006	TOTAL	180.98	MEAN	.50	MAX	5.0	MIN	0	AC-FT	359
WTR YR	2007	TOTAL	234.97	MEAN	.64	MAX	8.2	MIN	0	AC-FT	466

MAX DISCH: 13.5 CFS AT 16:30 ON Jun. 17, 2007 GH 1.15 FT. SHIFT -0.03 FT.
MAX GH: 1.15 FT. AT 16:30 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Pine River-Weminuche Pass ditch diverts water from right bank of north fork of Los Pinos River in sec. 4, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring system at 3-ft Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	0	0	0	0	0	0	0	0	1.8	0	0
2	2.1	0	0	0	0	0	0	0	0	0	0	0
3	2.0	0	0	0	0	0	0	0	5.0	0	0	0
4	2.0	0	0	0	0	0	0	0	11	0	0	0
5	5.4	0	0	0	0	0	0	0	11	0	0	0
6	11	0	0	0	0	0	0	0	12	0	0	0
7	13	0	0	0	0	0	0	0	10	0	0	0
8	7.5	0	0	0	0	0	0	0	9.4	0	0	0
9	0	0	0	0	0	0	0	0	10	0	0	0
10	0	0	0	0	0	0	0	0	11	0	0	0
11	0	0	0	0	0	0	0	0	11	0	0	0
12	0	0	0	0	0	0	0	0	10	0	0	.11
13	0	0	0	0	0	0	0	0	9.7	0	0	.48
14	0	0	0	0	0	0	0	0	9.8	0	0	.46
15	0	0	0	0	0	0	0	0	9.7	0	0	.41
16	0	0	0	0	0	0	0	0	9.3	0	0	.39
17	0	0	0	0	0	0	0	0	9.0	0	0	.40
18	0	0	0	0	0	0	0	0	8.9	0	0	0
19	0	0	0	0	0	0	0	0	8.1	0	0	0
20	0	0	0	0	0	0	0	0	7.9	0	0	.26
21	0	0	0	0	0	0	0	0	7.8	0	0	.64
22	0	0	0	0	0	0	0	0	7.1	0	0	.55
23	0	0	0	0	0	0	0	0	6.9	0	0	4.1
24	0	0	0	0	0	0	0	0	6.4	0	0	2.1
25	0	0	0	0	0	0	0	0	5.9	0	0	1.6
26	0	0	0	0	0	0	0	0	5.0	0	0	1.3
27	0	0	0	0	0	0	0	0	4.4	0	0	1.1
28	0	0	0	0	0	0	0	0	3.9	0	0	1.0
29	0	0	0	0	---	0	0	0	3.4	0	0	1.2
30	0	0	0	0	---	0	0	0	3.0	0	0	1.0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	45.2	0	0	0	0	0	0	0	226.6	1.8	0	17.10
MEAN	1.46	0	0	0	0	0	0	0	7.55	.058	0	.57
AC-FT	90	0	0	0	0	0	0	0	449	3.6	0	34
MAX	13	0	0	0	0	0	0	0	12	1.8	0	4.1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

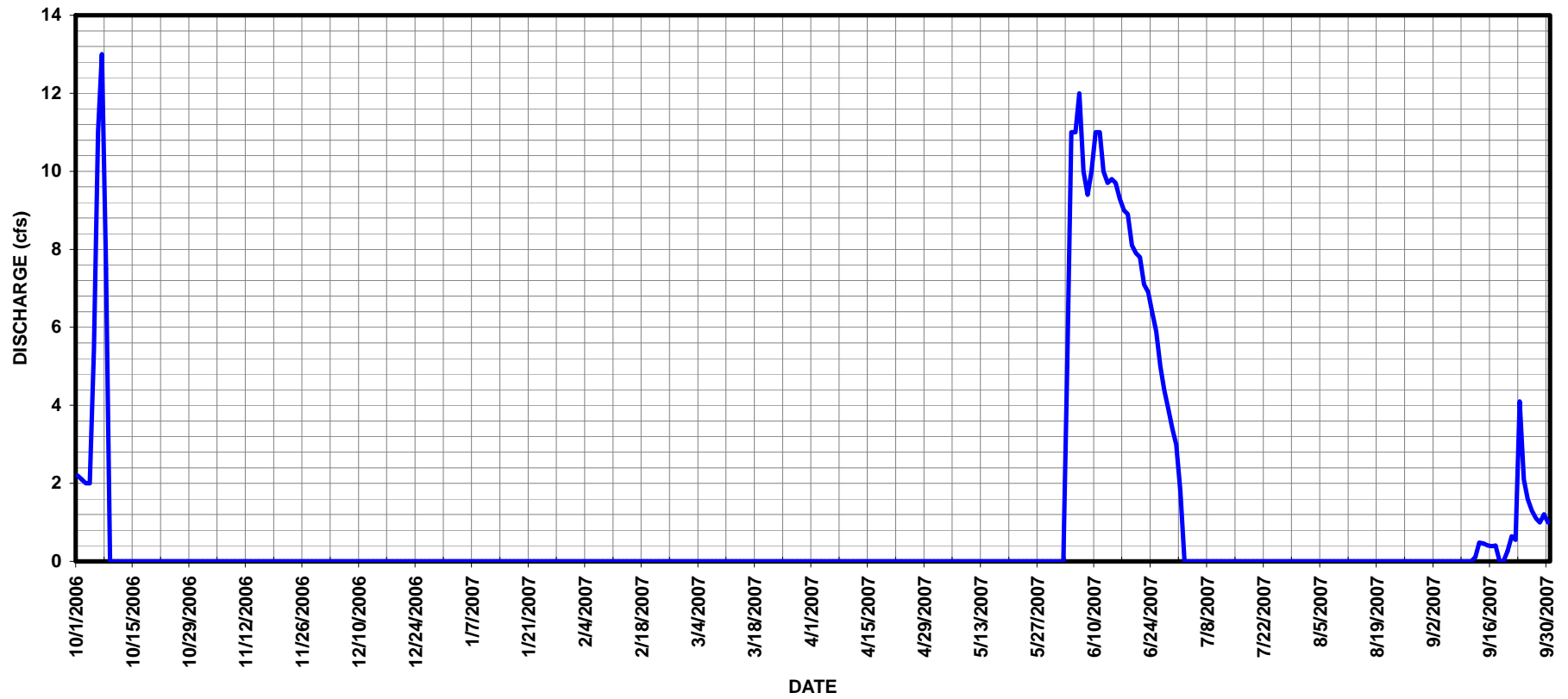
CAL YR	2006	TOTAL	232.5	MEAN	.64	MAX	13	MIN	0	AC-FT	461
WTR YR	2007	TOTAL	290.7	MEAN	.80	MAX	13	MIN	0	AC-FT	577

MAX DISCH: 12.9 CFS AT 09:45 ON Oct. 7, 2006 GH 1.09 FT. SHIFT -0.04 FT.

MAX GH: 1.09 FT. AT 09:45 ON Oct. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS CO
WY2007 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la Vaca Creek (tributary to Los Pinos River) in sec. 5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 5-ft. Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

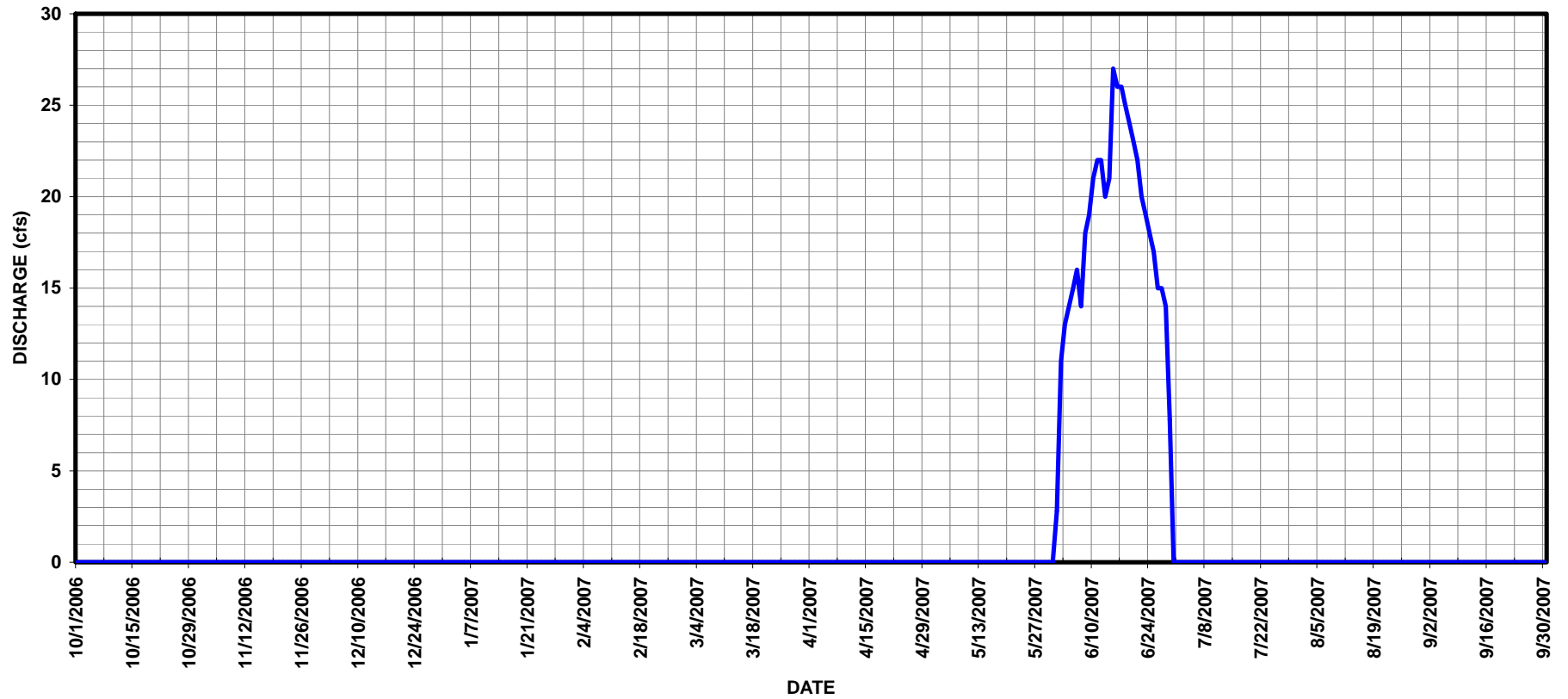
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	2.8	0	0	0
2	0	0	0	0	0	0	0	0	11	0	0	0
3	0	0	0	0	0	0	0	0	13	0	0	0
4	0	0	0	0	0	0	0	0	14	0	0	0
5	0	0	0	0	0	0	0	0	15	0	0	0
6	0	0	0	0	0	0	0	0	16	0	0	0
7	0	0	0	0	0	0	0	0	14	0	0	0
8	0	0	0	0	0	0	0	0	18	0	0	0
9	0	0	0	0	0	0	0	0	19	0	0	0
10	0	0	0	0	0	0	0	0	21	0	0	0
11	0	0	0	0	0	0	0	0	22	0	0	0
12	0	0	0	0	0	0	0	0	22	0	0	0
13	0	0	0	0	0	0	0	0	20	0	0	0
14	0	0	0	0	0	0	0	0	21	0	0	0
15	0	0	0	0	0	0	0	0	27	0	0	0
16	0	0	0	0	0	0	0	0	26	0	0	0
17	0	0	0	0	0	0	0	0	26	0	0	0
18	0	0	0	0	0	0	0	0	25	0	0	0
19	0	0	0	0	0	0	0	0	24	0	0	0
20	0	0	0	0	0	0	0	0	23	0	0	0
21	0	0	0	0	0	0	0	0	22	0	0	0
22	0	0	0	0	0	0	0	0	20	0	0	0
23	0	0	0	0	0	0	0	0	19	0	0	0
24	0	0	0	0	0	0	0	0	18	0	0	0
25	0	0	0	0	0	0	0	0	17	0	0	0
26	0	0	0	0	0	0	0	0	15	0	0	0
27	0	0	0	0	0	0	0	0	15	0	0	0
28	0	0	0	0	0	0	0	0	14	0	0	0
29	0	0	0	0	---	0	0	0	7.8	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	527.6	0	0	0
MEAN	0	0	0	0	0	0	0	0	17.6	0	0	0
AC-FT	0	0	0	0	0	0	0	0	1050	0	0	0
MAX	0	0	0	0	0	0	0	0	27	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	121.8	MEAN	.33	MAX	18	MIN	0	AC-FT	242
WTR YR	2007	TOTAL	527.6	MEAN	1.45	MAX	27	MIN	0	AC-FT	1050

MAX DISCH: 28.1 CFS AT 19:30 ON Jun. 15, 2007 GH 1.30 FT. GH CORR. -0.05 FT. SHIFT -0.01 FT.
MAX GH: 1.25 FT. (GH CORR. -0.05 FT. APPLIED) AT 19:30 ON Jun. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS CO
WY2007 HYDROGRAPH



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

LOCATION.--Lat 38°59'15", long 107°20'53", in the NE¼ SE¼ NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

GAGE.--Satellite equipment (high data rate Sutron 8210 DCP and shaft encoder) and strip chart recorder (Stevens A35) in a culvert type shelter. The recorder and shaft encoder operate from floats and are set to an inside drop tape. A Sutron Accububble installed Nov 4, 2002 is used during the winter period. An oil cylinder was installed on Nov 29, 2006. There was a common float actuating the shaft encoder and strip chart until Jun. 4, 2007 when the oil cylinder was removed and the two floats went back into operation.

REMARKS.--The record is complete. The primary record is 15-minute satellite data. Any missing satellite data were filled in directly using data from the DCP datalogger file. The block form Nov. 1, 2006 through Mar. 31, 2007 was imported from the electronic data logger file. The record is reliable and good, except for the periods when the stage-discharge relationship was affected by ice, and when the discharge exceeded 400 cfs. The ice period was from Nov. 30, Dec. 1-16, Dec. 22-31, 2006, Jan. 1-29, and Mar. 1-6, 2007. These estimated days are poor. Days with mean daily flows greater than 400 cfs were Apr 7-10, 28-30, May 1-6, 11-17, 2007. These should be considered fair. Station maintained by Steven W. Tuck and Gerald M. Thrush and record developed by Gerald M. Thrush.

RATING TABLE.--MUDAPRCO07 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

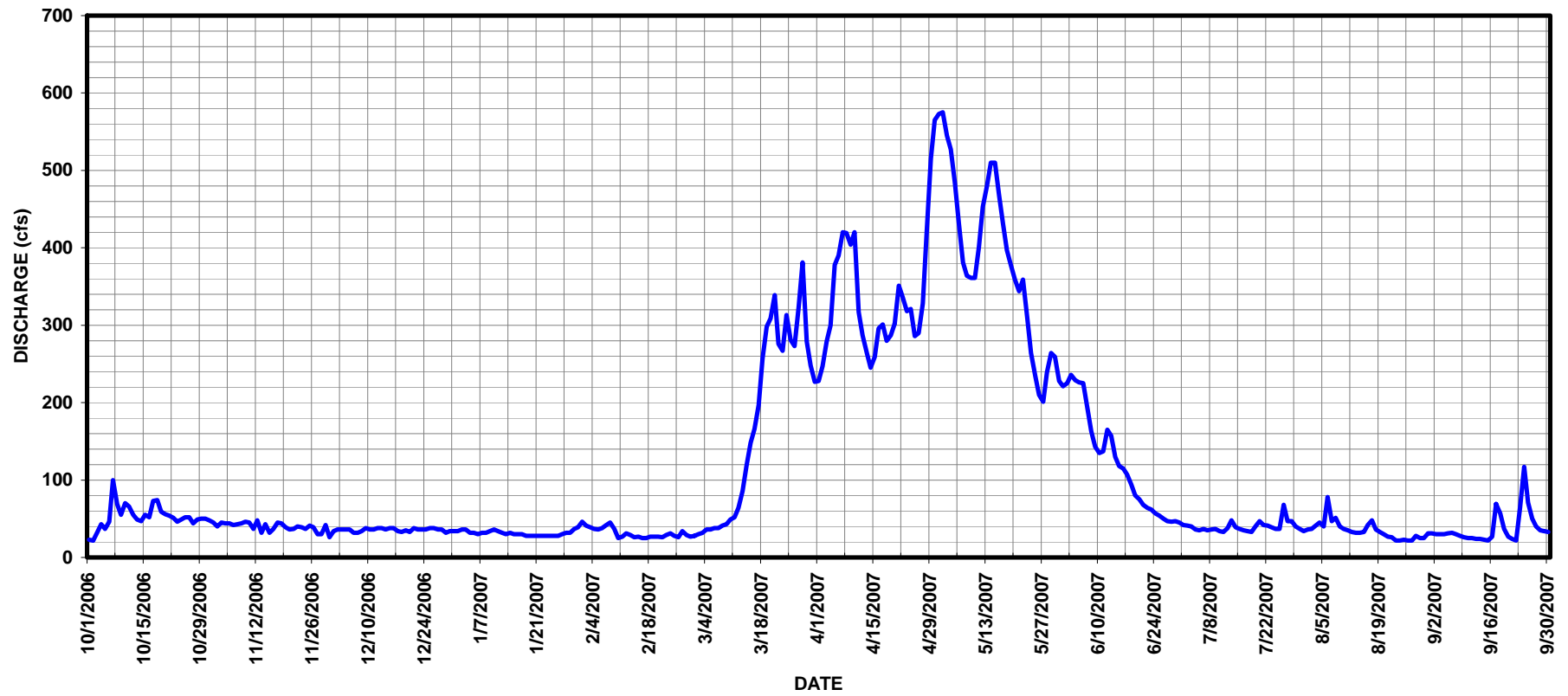
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	45	34e	34e	46	28e	228	573	221	42	36	31
2	22	40	36e	36e	41	30e	247	575	225	41	37	30
3	32	45	36e	36e	39	32e	279	545	236	40	41	30
4	43	44	36e	32e	37	36e	300	527	229	36	45	30
5	37	44	36e	32e	36	36e	378	483	226	35	40	31
6	46	42	32e	30e	38	38e	390	432	225	37	78	32
7	100	43	32e	32e	42	38	420	381	195	35	47	30
8	69	44	34e	32e	45	41	419	364	163	36	51	28
9	55	46	38e	34e	37	43	404	361	143	37	40	26
10	70	45	36e	36e	25	49	420	361	135	34	37	25
11	66	37	36e	34e	27	52	317	401	137	33	35	25
12	55	48	38e	32e	31	64	287	453	165	38	33	24
13	49	32	38e	30e	29	86	265	480	157	48	32	24
14	47	43	36e	32e	26	118	245	510	130	39	32	23
15	55	32	38e	30e	27	148	259	510	118	37	33	22
16	52	37	38e	30e	25	166	296	470	115	35	42	27
17	73	45	34	30e	25	197	301	431	107	34	48	69
18	74	44	33	28e	27	257	280	397	94	33	36	57
19	59	39	35	28e	27	298	287	377	80	40	33	37
20	56	36	33	28e	27	309	302	359	75	47	30	27
21	54	37	38	28e	26	339	351	344	68	42	27	24
22	51	40	36e	28e	29	276	336	359	64	41	26	22
23	46	39	36e	28e	31	267	318	311	62	39	22	64
24	49	37	36e	28e	28	313	321	264	57	37	22	117
25	52	41	38e	28e	26	281	286	235	54	37	23	71
26	52	39	38e	28e	34	273	290	210	50	68	22	50
27	44	30	36e	30e	29	324	328	201	47	47	22	40
28	49	30	36e	32e	27	381	420	239	46	47	28	35
29	50	42	32e	32e	---	279	515	264	47	40	25	34
30	50	26e	34e	37	---	248	565	259	45	37	25	33
31	48	---	34e	39	---	227	---	228	---	34	31	---
TOTAL	1628	1192	1103	974	887	5274	10054	11904	3716	1226	1079	1118
MEAN	52.5	39.7	35.6	31.4	31.7	170	335	384	124	39.5	34.8	37.3
AC-FT	3230	2360	2190	1930	1760	10460	19940	23610	7370	2430	2140	2220
MAX	100	48	38	39	46	381	565	575	236	68	78	117
MIN	22	26	32	28	25	28	228	201	45	33	22	22

CAL YR	2006	TOTAL	45780	MEAN	125	MAX	875	MIN	11	AC-FT	90800
WTR YR	2007	TOTAL	40155	MEAN	110	MAX	575	MIN	22	AC-FT	79650

MAX DISCH: 623 CFS AT 00:30 ON May. 2, 2007 GH 7.28 FT. SHIFT 0.18 FT.
MAX GH: 7.28 FT. AT 00:30 ON May. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e - Estimated

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR CO
WY2007 HYDROGRAPH



GUNNISON RIVER BASIN

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR

LOCATION.--Lat 38°56'26", long 107°21'24" in the SE¼ NW¼ NE¼ sec. 8, T.13 S., R. 89 W. (in Gunnison County on the right hand bank), and about 100 feet above county bridge and about 1100 feet below Paonia Reservoir outlet.

GAGE.--Shaft encoder and high data rate satellite DCP (Sutron SatLink) and strip chart recorder (Stevens A 35) in a culvert type shelter. The recorder and shaft encoder are on separate floats and set to an inside drop tape. The DCP is in an outside NEMA box. The DCP electronic data log is the primary record.

REMARKS.--The primary record is the electronic data from the Sutron SatLink electronic data logger (EDL). Data from the chart record were used to fill in 4 hours of missing DCP data without loss of accuracy. The record is complete, good and reliable, except for the period January 14, to February 9, 2007, when the floats were frozen in the well. This period is estimated and should be considered poor. Mean daily flows above 300 cfs are considered fair, due to a lack of confirming high flow measurements, even though the ramp flume control is considered stable. Station maintained by Steven W. Tuck and Gerald M. Thrush and record developed by Gerald M. Thrush.

RATING TABLE.--MUDBPFCO09A USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

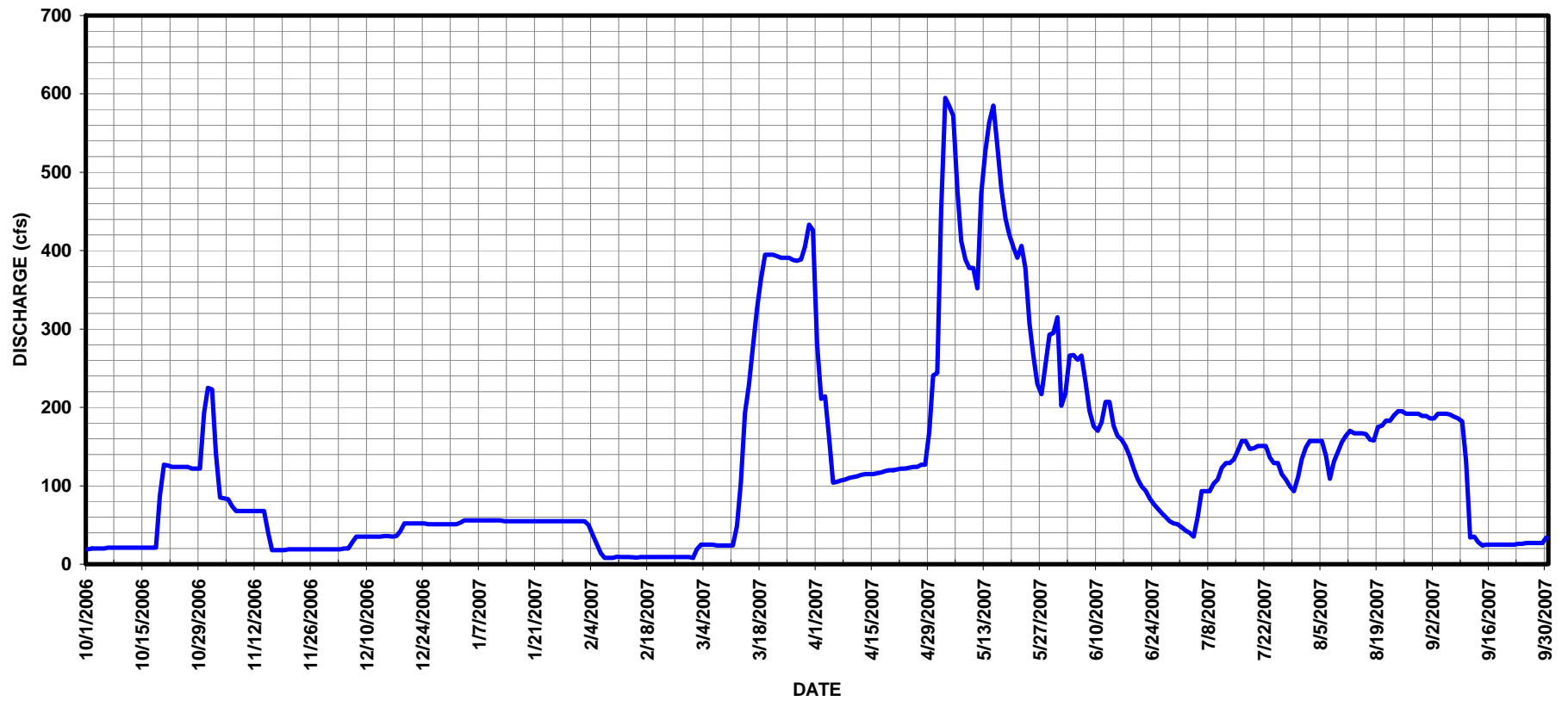
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	223	19	51	e55	8.2	281	244	202	47	149	186
2	20	141	19	53	e55	19	211	451	218	43	157	186
3	20	85	19	56	e50	25	214	595	266	40	157	192
4	20	84	20	56	e38	25	160	584	267	35	157	192
5	20	83	20	56	e26	25	104	572	261	61	157	192
6	21	74	28	56	e14	25	105	477	266	93	138	191
7	21	68	35	56	e8.0	24	107	412	232	93	109	188
8	21	68	35	56	e8.0	24	108	389	196	93	131	186
9	21	68	35	56	e8.0	24	110	378	176	103	143	182
10	21	68	35	56	9.6	24	111	378	170	108	156	132
11	21	68	35	56	9.0	24	112	352	181	123	164	34
12	21	68	35	56	9.0	49	114	473	207	129	170	35
13	21	68	35	55	9.0	104	115	527	207	129	167	28
14	21	68	36	e55	8.7	193	115	564	177	134	167	24
15	21	40	36	e55	8.6	228	115	585	164	144	167	25
16	21	18	35	e55	9.0	278	116	535	159	157	166	25
17	21	18	36	e55	9.0	327	117	479	151	157	159	25
18	21	18	42	e55	9.0	364	119	441	138	147	158	25
19	87	18	52	e55	9.0	395	120	420	122	148	175	25
20	127	19	52	e55	9.0	395	120	404	109	151	177	25
21	126	19	52	e55	9.0	395	121	391	99	151	183	25
22	124	19	52	e55	9.0	393	122	406	94	151	183	25
23	124	19	52	e55	9.0	391	122	378	84	136	190	26
24	124	19	52	e55	9.0	391	123	307	77	129	195	26
25	124	19	51	e55	9.0	391	124	266	71	129	195	27
26	124	19	51	e55	9.0	388	124	230	65	115	192	27
27	122	19	51	e55	9.0	387	127	217	60	108	192	27
28	122	19	51	e55	9.0	389	127	253	55	99	192	27
29	122	19	51	e55	---	405	169	293	52	93	192	27
30	193	19	51	e55	---	433	241	295	51	111	189	34
31	225	---	51	e55	---	426	---	315	---	134	189	---
TOTAL	2116	1555	1224	1709	432.9	6969.2	4074	12611	4577	3491	5216	2369
MEAN	68.3	51.8	39.5	55.1	15.5	225	136	407	153	113	168	79.0
AC-FT	4200	3080	2430	3390	859	13820	8080	25010	9080	6920	10350	4700
MAX	225	223	52	56	55	433	281	595	267	157	195	192
MIN	19	18	19	51	8.0	8.2	104	217	51	35	109	24

CAL YR	2006	TOTAL	45766.3	MEAN	125	MAX	878	MIN	7.5	AC-FT	90780
WTR YR	2007	TOTAL	46344.1	MEAN	127	MAX	595	MIN	8	AC-FT	91920

MAX DISCH: 820 CFS AT 11:15 ON Jun. 13, 2007 GH 6.14 FT. SHIFT -0.04 FT.
MAX GH: 6.14 FT. AT 11:15 ON Jun. 13, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR CO
WY2007 HYDROGRAPH



GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, CO

LOCATION.--Lat 38°29'06", long 107°44'57", in SE¼ NE¼ NE¼ sec. 27, T.49 N., R.8 W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

GAGE.--Sutron Satlink 2 HDR data collection platform with shaft encoder and strip chart recorder (Stevens A35) in a 36-in. diameter CMP shelter over a 24-in diameter CMP stilling well. The recorder and shaft encoder operate from separate floats and are set to an inside drop tape referenced to an adjustable RP on the instrument shelf. The primary record is electronic data from the DCP and shaft encoder with the chart serving as backup. An An SDI-12 radio bridge communicates with and collects gage height data from the South Canal gage.

REMARKS.--The record is complete, good and reliable, except for the period February 19-27, 2007, when the stage-discharge relationship was effected by backwater from the down stream gates being closed, which is poor. The operating period of the canal was from Oct. 01, 2006 to Oct. 27, 2006 and from Apr. 2, 2007 through Sep. 30, 2007. The intervening winter period, consisted of seepage from the Gunnison Tunnel. This winter shut down period is a normal operational occurrence. This year there were twelve occurrences of increased flow during winter shutdown period. These were periods when the Gunnison Tunnel was turned on to fill Fairview Reservoir and the AB Lateral head gate was left open. The AB and C Drop aka the AB Lateral Canal is part of the Gunnison Tunnel complex. The South Canal is the other part. The two structures are combined to account for the total diversion through the Gunnison Tunnel. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--ABCLATCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	0	.81	.81	.92	.92	.20	34	83	150	153	126
2	98	.64	.81	3.4	.92	.90	.67	64	83	149	153	126
3	98	1.0	.81	3.6	.98	1.0	3.1	84	83	149	152	126
4	98	1.0	.81	.77	1.0	1.0	5.0	84	83	151	152	127
5	97	1.0	.81	.81	.95	1.0	5.4	83	84	151	152	127
6	79	1.2	.81	.90	.92	1.0	5.6	84	84	152	123	127
7	70	1.5	.81	.92	.92	1.0	5.6	83	84	153	104	128
8	70	1.1	.81	.86	.92	1.0	5.6	83	84	153	113	128
9	70	1.2	.81	.81	.92	1.0	5.6	83	84	153	121	128
10	70	1.3	.81	.81	.95	1.0	5.7	87	85	153	121	128
11	70	1.2	11	1.0	.92	1.0	5.8	90	85	153	122	128
12	70	1.3	14	1.1	3.6	2.2	5.8	91	85	152	121	128
13	70	2.9	.53	1.1	3.5	2.1	5.8	91	85	152	122	129
14	70	2.1	.81	1.1	.81	.86	13	91	85	153	122	129
15	70	1.1	.81	3.8	.81	.84	5.6	89	85	152	122	129
16	69	1.1	.81	3.4	.81	.82	5.7	87	86	152	122	129
17	69	1.0	.81	.87	.81	.84	5.8	89	86	152	122	126
18	69	1.0	.81	.92	.81	.87	18	89	86	152	123	122
19	69	1.0	.81	.92	e.90	.88	27	89	86	152	123	122
20	70	1.0	3.3	.92	e.90	.92	27	88	87	151	123	120
21	70	1.0	.31	.92	e.90	.92	29	88	87	152	123	119
22	70	1.0	.50	.91	e.90	.92	30	88	88	152	125	117
23	70	1.0	.81	.92	e1.0	.87	32	85	89	152	126	116
24	69	1.1	.81	.92	e1.0	.88	33	82	89	152	126	114
25	69	1.2	.81	.89	e1.0	.81	33	82	90	152	126	108
26	69	1.3	.81	.91	e6.0	3.1	33	82	90	152	126	102
27	38	3.7	.81	.92	e4.8	3.5	33	82	109	153	126	100
28	0	2.7	.81	.92	e.97	.98	33	82	141	153	126	94
29	0	.47	.81	2.4	---	.86	33	83	152	153	126	90
30	0	.81	.81	2.4	---	.39	34	83	150	154	126	90
31	0	---	.81	.96	---	.16	---	83	---	155	126	---
TOTAL	1999	37.92	49.89	41.89	39.84	34.54	484.97	2583	2778	4715	3948	3583
MEAN	64.5	1.26	1.61	1.35	1.42	1.11	16.2	83.3	92.6	152	127	119
AC-FT	3970	75	99	83	79	69	962	5120	5510	9350	7830	7110
MAX	98	3.7	14	3.8	6.0	3.5	34	91	152	155	153	129
MIN	0	0	.31	.77	.81	.16	.20	34	83	149	104	90
CAL YR 2006	TOTAL	25364.59	MEAN	69.5	MAX	161	MIN	0	AC-FT	50310		
WTR YR 2007	TOTAL	20295.05	MEAN	55.6	MAX	155	MIN	0	AC-FT	40260		

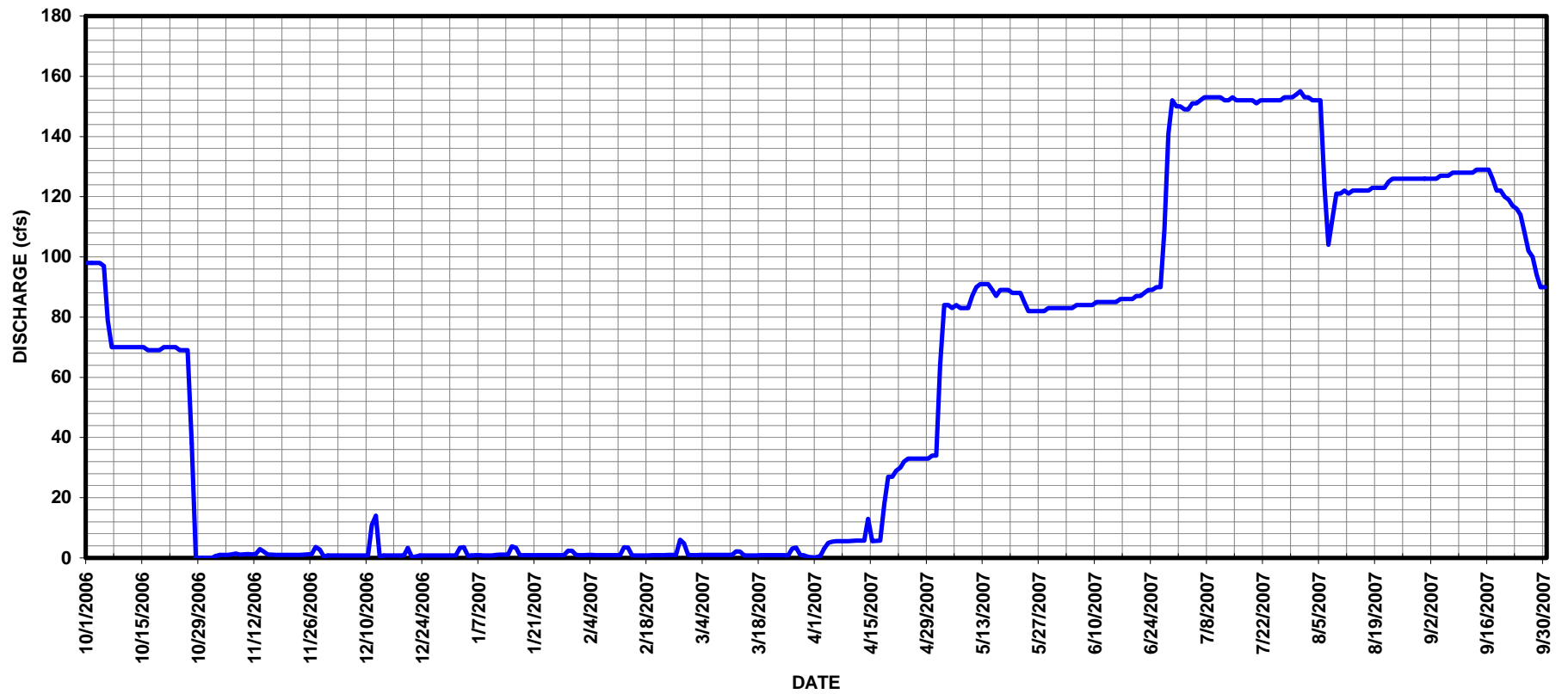
MAX DISCH: 233 CFS AT 09:15 ON Jun. 28, 2007 GH 4.01 FT. SHIFT -0.06 FT.

MAX GH: 4.01 FT. AT 09:15 ON Jun. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

e-Estimated

ABC LATERAL NEAR MONTROSE CO
WY2007 HYDROGRAPH



GUNNISON RIVER BASIN

SOUTH CANAL NEAR MONTROSE, CO

LOCATION.--Lat 38°29'01", long 107°45'20", in NE¼ SW¼ NE¼ sec 27, T.49 N., R.8 W., Montrose County, on right bank of canal approximately 3600 ft. below the west portal of the Gunnison Tunnel.

GAGE.--An SDI-12 shaft encoder and a strip chart recorder (Stevens A35) in a 42 inch CMP shelter and well. The shaft encoder is connected via an SDI-12 radio bridge to the DCP located at the AB Lateral shelter. The recorder and shaft encoder operate from separate floats. They are set to an inside drop tape. A Sutron stage discharge recorder replaced the shaft encoder on Feb. 13, 2007.

REMARKS.--The primary record is 15-minute data from the DCP electronic data logger file. The record is complete, reliable, and good. There were several instances when one or two 15 minute values weren't transmitted to, or received by, the DCP at the AB Lateral. These sporadic values of zero were verified and corrected using the chart record with no loss of accuracy. There are periods, just after the fall shut down and after the 11 runs during the winter when there is a small amount of water observed below the level of the inlets. These trailing off values are below the 5% threshold of the total mean winter values and have been ignored as miniscule bank storage. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--SOUCANCO16A USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

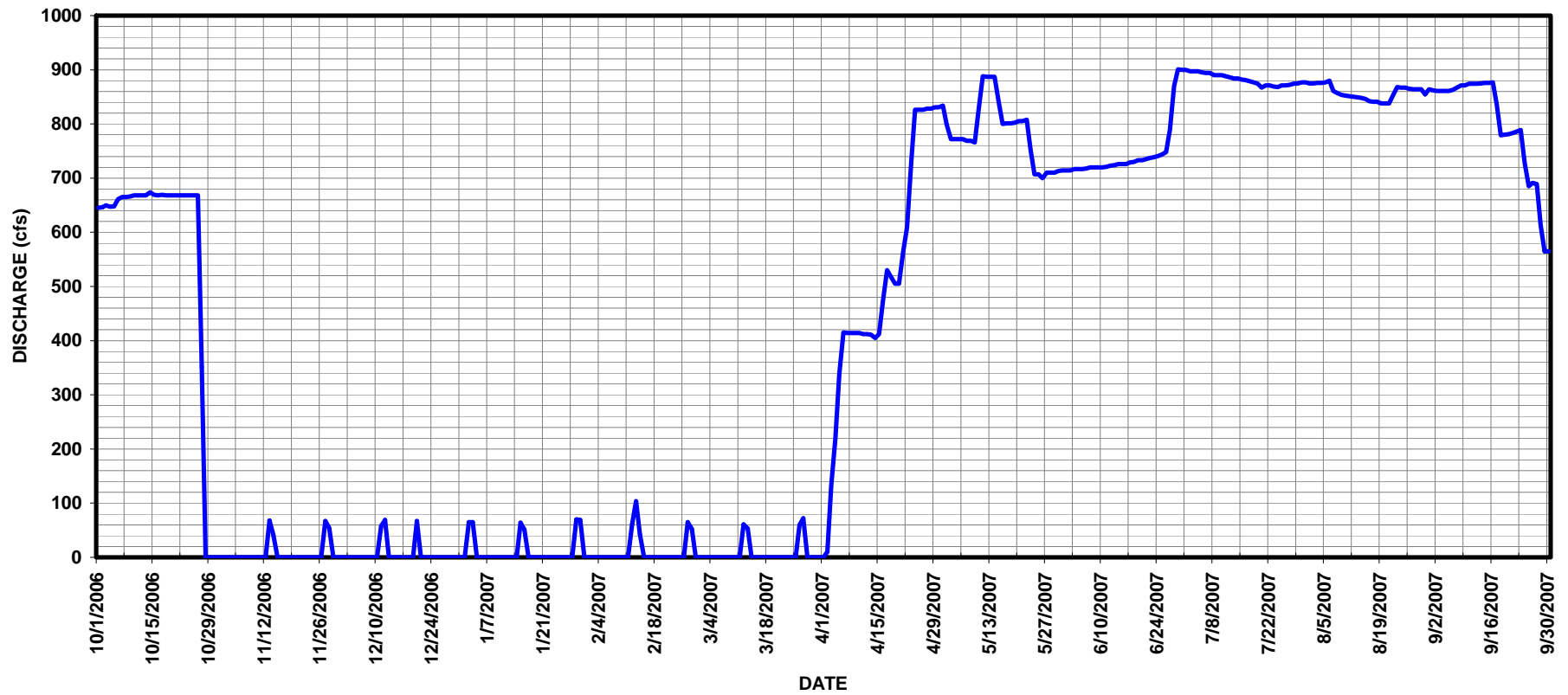
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	645	0	0	0	0	0	0	834	714	900	875	862
2	646	0	0	65	0	0	10	798	714	897	875	861
3	650	0	0	65	0	0	133	772	717	897	876	861
4	647	0	0	0	0	0	220	772	717	897	876	861
5	648	0	0	0	0	0	338	772	717	895	877	861
6	661	0	0	0	0	0	415	772	718	894	880	863
7	665	0	0	0	0	0	414	769	720	894	861	867
8	665	0	0	0	0	0	414	769	720	890	857	871
9	666	0	0	0	0	0	414	766	720	890	854	871
10	668	0	0	0	0	0	414	831	720	890	852	874
11	668	0	58	0	0	0	412	888	721	888	851	874
12	668	0	69	0	62	61	412	887	723	886	850	874
13	668	68	0	0	104	53	411	887	724	884	849	875
14	674	41	0	0	42	0	405	887	726	884	848	876
15	669	0	0	64	0	0	412	840	726	882	846	876
16	668	0	0	51	0	0	477	800	726	881	842	877
17	669	0	0	0	0	0	530	801	729	879	841	836
18	668	0	0	0	0	0	517	801	730	877	841	779
19	668	0	0	0	0	0	505	802	733	874	838	780
20	668	0	67	0	0	0	505	805	733	867	838	781
21	668	0	0	0	0	0	564	805	735	871	838	783
22	668	0	0	0	0	0	609	808	737	871	854	786
23	668	0	0	0	0	0	728	752	739	869	868	789
24	668	0	0	0	0	0	826	707	741	868	867	729
25	668	0	0	0	0	0	826	707	744	871	867	685
26	668	0	0	0	65	60	826	700	748	871	865	691
27	351	67	0	0	52	72	828	710	790	872	864	689
28	0	54	0	0	0	0	828	710	870	874	864	613
29	0	0	0	70	---	0	831	710	901	875	864	565
30	0	0	0	69	---	0	831	713	900	877	855	565
31	0	---	0	0	---	0	---	714	---	877	864	---
TOTAL	17608	230	194	384	325	246	15055	24289	22353	27342	26597	23975
MEAN	568	7.67	6.26	12.4	11.6	7.94	502	784	745	882	858	799
AC-FT	34930	456	385	762	645	488	29860	48180	44340	54230	52760	47550
MAX	674	68	69	70	104	72	831	888	901	900	880	877
MIN	0	0	0	0	0	0	0	700	714	867	838	565

CAL YR	2006	TOTAL	174600	MEAN	478	MAX	999	MIN	0	AC-FT	346300
WTR YR	2007	TOTAL	158598	MEAN	435	MAX	901	MIN	0	AC-FT	314600

MAX DISCH: 1060 CFS AT 02:45 ON Aug. 6, 2007 GH 4.39 FT. SHIFT -1.13 FT.
MAX GH: 4.39 FT. AT 02:45 ON Aug. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SOUTH CANAL NEAR MONTROSE CO
WY2007 HYDROGRAPH



GUNNISON RIVER BASIN

UNCOMPAHGRE RIVER NEAR OLATHE, CO

LOCATION.--Lat 38°36'5", long 107°58'58", SW¼S W¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

DRAINAGE AREA.--N/A

GAGE.--Stevens A35 graphic recorder and Sutron SatLink 2 with shaft encoder in a 48" spiral culvert and stilling well. Graphic water recorder and shaft encoder are both activated by separate floats in the stilling well. The primary reference gage is a steel drop tape referenced to an adjustable RP located in the gage.

REMARKS.--Primary record is 5-minute DCP log data with the graphic chart recorder and satellite data used for backup purposes. This record is complete, reliable and good, except for Dec 3-9, 2006, when the floats in the stilling well were temporarily frozen, and, Nov. 29-30, Dec. 1-2, 2006, Jan 6-9, 15-26, Feb. 1-3, Mar 1-4, 2007, when ice in the channel affected the stage-discharge relationship. These periods were estimated and are considered poor. Station maintained by Div IV staff and record developed by Gerald M. Thrush.

RATING TABLE.--UNCOLACO08A USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	254	e195	191	e174	e173	97	62	70	119	92	71
2	158	245	e190	191	e172	e165	72	135	97	111	88	64
3	308	243	e190	195	e172	e145	61	157	115	94	179	71
4	440	237	e190	196	172	e150	198	116	143	92	278	79
5	372	234	e195	201	173	158	218	65	168	103	262	94
6	499	227	e195	e180	179	168	320	94	207	104	635	75
7	716	225	e195	e185	188	177	317	74	130	108	478	91
8	571	222	e195	e180	196	189	329	33	104	116	408	61
9	547	218	e200	e185	196	181	430	13	136	119	339	51
10	581	209	203	188	198	184	385	6.9	197	99	312	45
11	561	204	208	194	213	178	204	52	225	106	279	26
12	507	225	213	195	229	189	123	106	316	116	271	43
13	496	213	209	198	219	212	82	191	346	149	216	44
14	516	221	204	190	195	231	73	267	240	120	112	44
15	778	208	205	e170	186	246	45	225	214	113	95	48
16	581	204	207	e170	183	242	26	152	275	103	60	84
17	630	213	207	e170	180	252	45	75	217	86	54	347
18	728	203	205	e175	178	274	52	63	290	97	41	309
19	675	199	205	e175	184	294	46	109	309	94	38	203
20	707	198	206	e180	185	287	9.8	134	297	109	35	173
21	680	212	207	e185	181	315	27	119	283	122	14	171
22	666	214	196	e180	183	333	102	263	247	176	10	170
23	667	211	194	e180	192	354	99	274	210	230	16	233
24	643	208	200	e180	184	337	249	116	211	230	19	335
25	663	209	194	e180	172	328	265	85	194	198	21	183
26	672	207	200	e180	178	333	203	39	129	189	24	170
27	602	207	206	180	177	344	131	11	68	171	50	183
28	286	219	205	179	191	268	76	35	93	203	105	177
29	265	e215	202	177	---	161	87	58	174	201	98	110
30	268	e200	198	178	---	138	111	48	122	158	97	93
31	262	---	190	181	---	111	---	55	---	98	77	---
TOTAL	16207	6504	6209	5689	5230	7117	4482.8	3232.9	5827	4134	4803	3848
MEAN	523	217	200	184	187	230	149	104	194	133	155	128
AC-FT	32150	12900	12320	11280	10370	14120	8890	6410	11560	8200	9530	7630
MAX	778	254	213	201	229	354	430	274	346	230	635	347
MIN	158	198	190	170	172	111	9.8	6.9	68	86	10	26
CAL YR	2006	TOTAL	58341.17	MEAN	160	MAX	778	MIN	0.68	AC-FT	115700	
WTR YR	2007	TOTAL	73283.7	MEAN	201	MAX	778	MIN	6.9	AC-FT	145400	

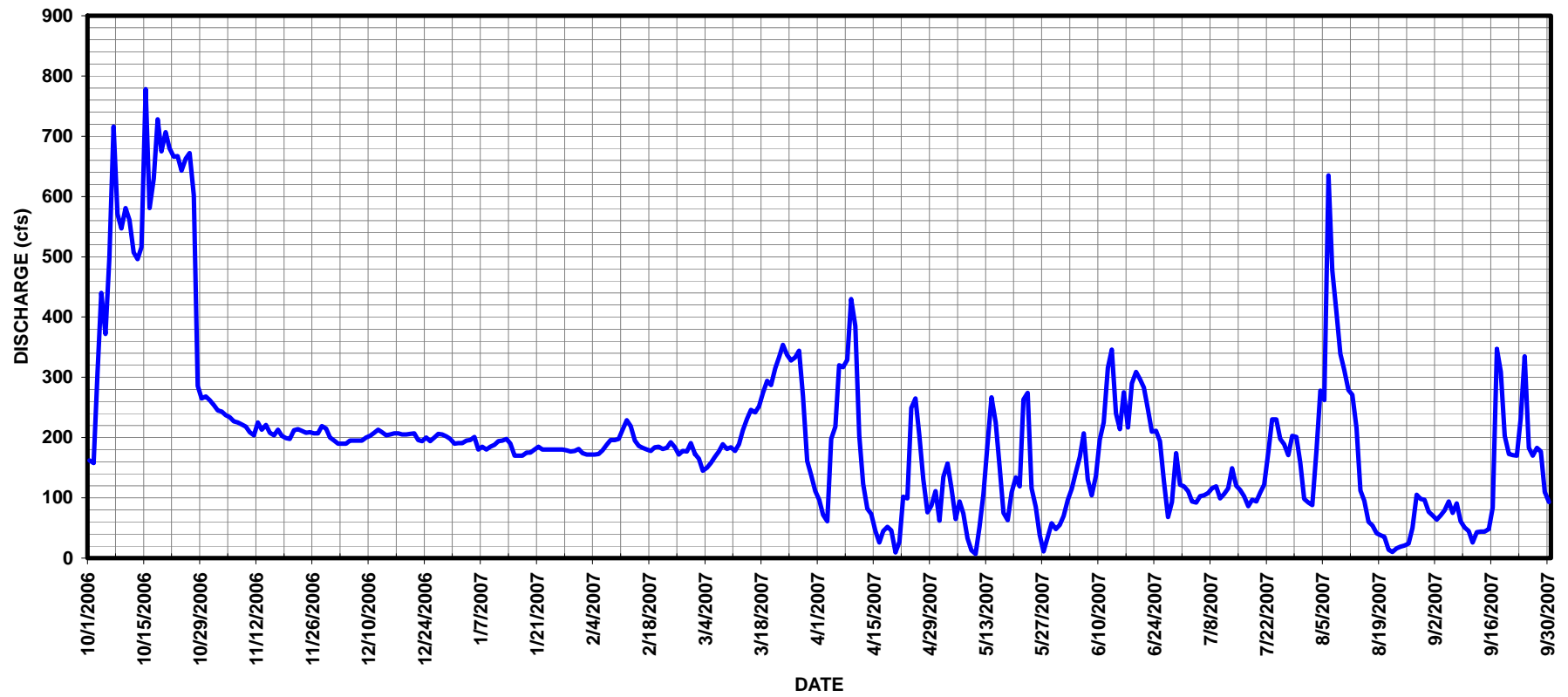
MAX DISCH: 1140 CFS AT 15:45 ON Aug. 6, 2007 GH 5.14 FT. SHIFT -0.20 FT.

MAX GH: 5.14 FT. AT 15:45 ON Aug. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

e-Estimated

UNCOMPAHGRE RIVER NEAR OLATHE CO
WY2007 HYDROGRAPH



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼ SW¼ NW¼ Sec 35, T1S, R1W, Mesa County, on the right bank of canal 650 ft. below the Redlands diversion dam until Oct. 25, 2004. Beginning Apr. 1, 2005, Lat 39°02'52.93", long 108°34'33.16", in the NE¼ NW¼NE¼ Sec 27, T1S, R1W on the right bank just downstream of and attached to an old bridge.

GAGE.--A Sutron 9210 DCP with Modbus capabilities, Channel Master Acoustic Doppler Velocity Meter (ADVM) and a Sutron AccuBubble set to an outside staff gage. The Channel Master ADVM has the ability to give instantaneous flow readings. It produces the primary discharge record. A Sutron Satlink Logger 2 is controlled by the Sutron 9210 DCP and acts as the GOES radio transmitter. An LOS radio to a USBR programmable logic controller, enables control at the canal head gate. The LOS radio and Satlink Logger 2 are connected to the 9210 via serial cables and communication ports. The Satlink 2 is capable of logging data and as such can be used as an emergency back up for the 9210, but without the capabilities to use the LOS radio. The data logging and control/communication are normally performed by the 9210. The Channel Master and AccuBubble are connected to the 9210 DCP via SDI-12 communication. The Sutron AccuBubble continues to operate as a back up and cross check only.

REMARKS.--Directly measured flow from the ADVM started on October 1, 2006 and continued until July 29, 2007, when the Channel Master separated from its wooden mounting plate in the channel. There were several periods before the mounting plate came loose, when there were problems with the instrument, and communication or transmission of data. These periods were January 24-26, February 8-9, 17, April 1, 7-10, 2007. The Channel Master was removed from the mounting plate on July 29, 2007. Daily mean flows for the remainder of the water year, from July 29 to September 30, 2007, were estimated, with the stage from the Accububble used for general comparison only.

The missing data were estimated using power generation records supplied by Redlands Water and Power Canal Company. These data are total kilowatts generated in a 24-hour period, based on a reading taken daily at about 1500 hours. An Excel spreadsheet was used to average the day before and after with the subject day. This mid-point value was compared to the ADVM mean daily value for that same subject day and a correlation developed. The correlation varies throughout the year. This may be caused by the operating efficiency of the generator, the amount of bypass water spilling over check boards, and several other operational factors.

The record is rated good when the ADVM was operating from October 1, 2006 until July 29, 2007, except for the periods before the mounting plate came loose and there were communication or transmission problems with the ADVM. The power generation/flow correlation was used to estimate mean daily flows on January 24-26, February 8, 9, and 17, April 1, 7-10, 2007. These are rated poor. Adjacent good record and partial day mean values were used to fill and estimate mean daily flow values on February 24, June 16, 20, 26 and July 26, 2007. These are rated fair. The period from July 29 to September 30, 2007 was estimated using power generation/flow correlation and is rated poor.

Station maintained and record developed by Gerald M. Thrush.

REDLANDS CANAL NEAR GRAND JUNCTION CO

RATING TABLE.--STCONVERT USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

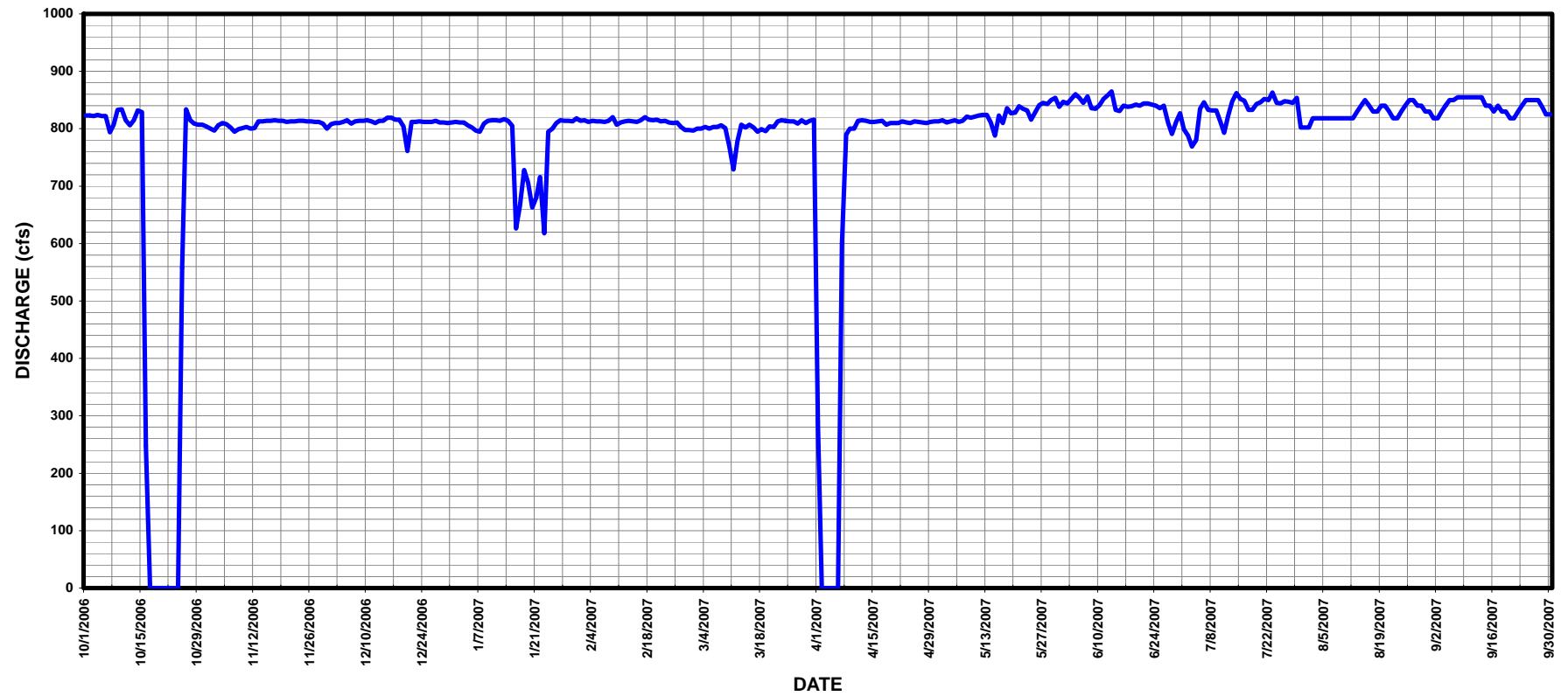
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	823	800	808	812	814	797	e290	813	847	799	e802	e818
2	823	797	810	811	815	800	0	815	844	788	e818	e818
3	822	806	810	811	812	800	0	811	852	769	e818	e830
4	824	810	812	806	814	803	0	813	860	780	e818	e840
5	822	808	815	802	813	800	0	815	854	835	e818	e850
6	822	802	809	797	813	803	0	812	845	846	e818	e850
7	794	795	813	795	812	803	e600	814	856	833	e818	e855
8	807	799	814	809	e814	806	e790	821	836	832	e818	e855
9	833	801	814	814	e820	801	e800	819	835	832	e818	e855
10	834	803	815	815	807	770	e800	821	841	813	e818	e855
11	815	800	813	815	811	729	814	823	852	793	e818	e855
12	806	801	810	814	813	778	815	824	858	824	e818	e855
13	815	813	814	817	814	807	814	824	865	848	e830	e855
14	832	813	814	814	813	802	812	811	833	862	e840	e840
15	829	814	819	805	812	807	812	788	831	852	e850	e840
16	248	814	819	626	815	802	813	823	e840	849	e840	e830
17	0	815	816	666	e820	795	814	810	838	833	e830	e840
18	0	814	816	728	816	799	807	836	839	833	e830	e830
19	0	814	804	706	815	796	810	827	842	843	e840	e830
20	0	812	761	663	816	804	810	828	e840	846	e840	e818
21	0	813	812	680	813	803	810	839	844	852	e830	e818
22	0	813	812	716	814	813	813	835	844	850	e818	e830
23	0	814	813	618	811	815	811	832	842	863	e818	e840
24	0	814	812	e795	e810	814	810	816	840	845	e830	e850
25	558	813	812	e800	811	813	813	829	836	844	e840	e850
26	834	813	812	e810	803	813	812	841	e840	e848	e850	e850
27	815	812	814	815	798	809	811	845	811	847	e850	e850
28	809	812	811	814	798	815	810	843	791	845	e840	e838
29	807	809	811	814	---	810	812	850	812	e854	e840	e825
30	807	800	810	813	---	814	813	854	827	e802	e830	e825
31	804	---	811	818	---	816	---	838	---	e802	e830	---
TOTAL	17983	24244	25136	24019	22737	24837	19516	25570	25195	25762	25676	25195
MEAN	580	808	811	775	812	801	651	825	840	831	828	840
AC-FT	35670	48090	49860	47640	45100	49260	38710	50720	49970	51100	50930	49970
MAX	834	815	819	818	820	816	815	854	865	863	850	855
MIN	0	795	761	618	798	729	0	788	791	769	802	818

CAL YR	2006	TOTAL	282261	MEAN	773	MAX	844	MIN	0	AC-FT	559900
WTR YR	2007	TOTAL	285870	MEAN	783	MAX	865	MIN	0	AC-FT	567000

MAX DISCH: 905 CFS AT 06:00 ON Jul. 29, 2007 VertBeam 7.50 FT. SHIFT 0 FT.
MAX GH: 7.73 FT. AT 12:45 ON Apr. 07, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e - Estimated

REDLANDS CANAL NEAR GRAND JUNCTION CO
WY2007 HYDROGRAPH



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GUNNISON RIVER BASIN

GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°02'17", long 108°34'13", in SW¼ SW¼ sec 26, T1S, R1W, Mesa County, on the right bank of the Gunnison River just up stream of the Department of Energy Compound, about 1.6 miles above the mouth and the Colorado River, and about 0.78 miles below the Redlands Canal Diversion Dam.

GAGE.--Sutron SatLink Logger high data rate DCP controlling a Sutron accububble in a 48-inch diameter CMP shelter on a concrete pad. There is no back up strip chart. The primary reference is an outside cantilever chain gage which can be used at low gage readings if the bank is trenched; it is used up to gage height 13.00 ft. The secondary gage is a section of staff gage that is carried to and placed at the top of the brass nut at the end of the orifice line. Gage height of the brass nut is 0.70 ft. This is used to calibrate the AccuBubble at extremely low flows.

REMARKS.--The primary record is the electronic data from the Sutron SatLink Logger. The record is complete and reliable. The record is rated good, except for the periods: November 29-30, December 1-6, 21-24, 2006, January 6-9, 14-24, and February 2-3, 2007, when the stage-discharge relationship was affected by ice. These periods were estimated and are considered poor. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--GUNREDCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

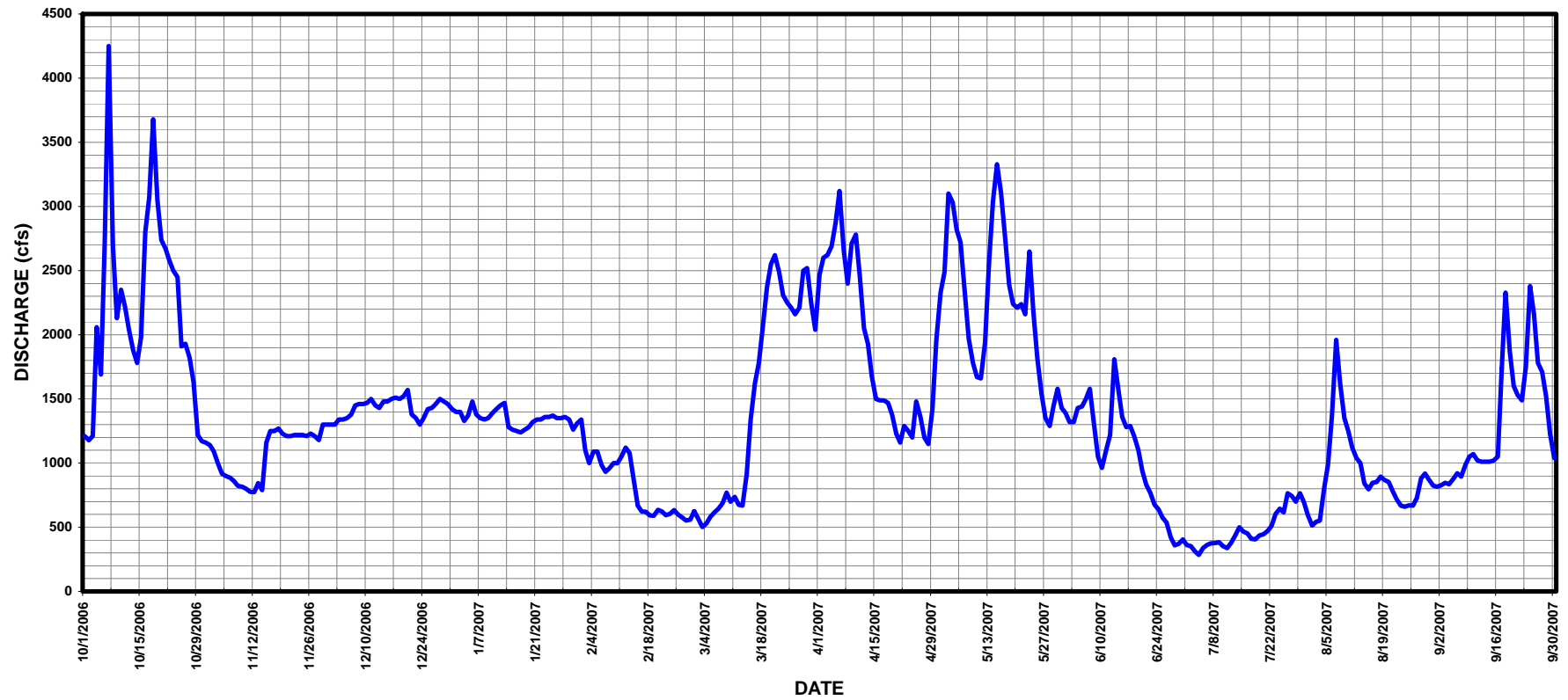
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	1140	e1300	1400	1340	625	2470	2330	1390	362	513	815
2	1180	1090	e1300	1400	e1100	568	2600	2490	1320	352	541	827
3	1210	999	e1340	1330	e1000	503	2620	3100	1320	313	553	847
4	2060	916	e1340	1370	1090	528	2690	3030	1430	286	800	835
5	1690	899	e1350	1480	1090	584	2870	2820	1440	337	988	878
6	2720	887	e1380	e1380	984	616	3120	2720	1500	361	1370	920
7	4250	860	1450	e1350	933	645	2660	2330	1580	376	1960	895
8	2700	823	1460	e1340	960	688	2400	1970	1300	378	1620	986
9	2130	815	1460	e1350	999	770	2710	1780	1050	384	1350	1050
10	2350	800	1470	1390	1000	700	2780	1670	963	354	1250	1070
11	2220	776	1500	1420	1050	737	2460	1660	1100	338	1120	1020
12	2040	775	1450	1450	1120	675	2050	1940	1220	380	1040	1010
13	1880	845	1430	1470	1080	669	1930	2560	1810	439	999	1010
14	1780	790	1480	e1280	879	914	1680	3040	1580	500	842	1010
15	1980	1160	1480	e1260	669	1340	1500	3330	1360	467	796	1020
16	2800	1250	1500	e1250	623	1620	1490	3110	1280	451	846	1050
17	3070	1250	1510	e1240	620	1780	1490	2750	1290	410	854	1740
18	3680	1270	1500	e1260	592	2060	1470	2390	1210	406	894	2330
19	3050	1230	1520	e1280	589	2370	1380	2240	1100	436	868	1870
20	2740	1210	1570	e1320	635	2550	1230	2210	938	446	853	1600
21	2670	1210	e1380	e1340	623	2620	1160	2240	831	472	782	1530
22	2580	1220	e1350	e1340	595	2490	1290	2160	765	512	719	1490
23	2500	1220	e1300	e1360	606	2310	1250	2650	678	604	669	1750
24	2450	1220	e1350	e1360	634	2250	1200	2180	638	644	661	2380
25	1910	1210	1420	1370	599	2210	1480	1820	574	616	670	2160
26	1930	1230	1430	1350	576	2160	1360	1540	537	766	668	1780
27	1820	1210	1460	1350	552	2210	1200	1350	421	743	727	1710
28	1630	1180	1500	1360	559	2500	1150	1290	359	699	881	1520
29	1220	e1300	1480	1340	---	2520	1420	1450	370	765	919	1230
30	1170	e1300	1460	1260	---	2240	1960	1580	405	696	870	1040
31	1160	---	1420	1310	---	2040	---	1430	---	594	825	---
TOTAL	67780	32085	44340	41760	23097	46492	57070	69160	31759	14887	28448	39373
MEAN	2186	1070	1430	1347	825	1500	1902	2231	1059	480	918	1312
AC-FT	134400	63640	87950	82830	45810	92220	113200	137200	62990	29530	56430	78100
MAX	4250	1300	1570	1480	1340	2620	3120	3330	1810	766	1960	2380
MIN	1160	775	1300	1240	552	503	1150	1290	359	286	513	815
CAL YR	2006	TOTAL	495459	MEAN	1357	MAX	4360	MIN	168	AC-FT	982700	
WTR YR	2007	TOTAL	496251	MEAN	1360	MAX	4250	MIN	286	AC-FT	984300	

MAX DISCH: 5560 CFS AT 02:00 ON Oct. 7, 2006 GH 6.29 FT. SHIFT -0.15 FT.
MAX GH: 6.29 FT. AT 02:00 ON Oct. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e - Estimated

**GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION CO
WY2007 HYDROGRAPH**



BLUE RIVER BASIN

BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE, CO

LOCATION.--Lat 39°32'29", long 106°02'40", in SE¼ SW¼ Sec. 7, T6S, R77W, Hydrologic Unit 14010004 in Summit County. Located on right bank 25 ft. above Highway 9 Bridge, 3 1/2 miles north of Breckenridge and 2 1/4 miles south of Dillon Reservoir(Blue River Arm).

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder and satellite telemetry system (Sutron HDR 8210 DCP and shaft encoder) in precast concrete building. Well inside building has two intake pipes with flush risers outside. Recorder and shaft encoder are set by inside drop tape from adjustable reference point on instrument shelf. Primary record is satellite data and chart record is used for backup. AC power was installed in station in 2005. Control is rock and cobble riffle(low flows) and 8' culverts(high flows). Elevation of gage is 9180 ft. from topographic map.

REMARKS.--Record is complete and reliable, except for the period: June 18-19, 2007, when the upper intake pipe was partially or fully clogged. Upstream transmountain diversions occur through the Continental-Hoosier Tunnel and Boreas Pass Ditch. Record is good, except for period of intake pipe clogging, when record is fair. Station maintained by George Wear, James Kellogg, and Scott Hummer. Record developed by Craig Bruner.

RATING TABLE.--BLUNINCO08 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	37	23	22	19	17	33	113	245	182	57	50
2	46	34	24	22	18	17	33	114	241	166	63	51
3	46	32	24	22	18	17	34	125	252	154	92	56
4	45	33	24	22	17	18	34	115	266	152	118	63
5	40	34	23	22	17	18	36	121	292	150	115	53
6	40	32	24	21	17	18	37	108	325	150	108	51
7	39	32	25	21	17	18	38	96	313	143	110	50
8	40	34	25	22	17	19	38	90	271	143	112	50
9	39	36	25	22	17	19	39	87	254	134	96	46
10	39	37	25	22	17	19	39	88	260	120	81	44
11	43	34	25	22	17	19	38	95	282	110	73	44
12	47	32	25	22	17	19	36	114	331	101	67	43
13	46	33	24	22	17	20	36	145	393	95	68	41
14	43	30	24	23	17	21	36	160	358	90	68	40
15	45	30	25	24	17	22	36	169	356	86	69	40
16	46	28	25	23	17	22	37	199	391	83	88	40
17	47	27	26	22	17	22	38	251	453	78	126	46
18	48	28	25	22	17	24	39	256	473	78	134	60
19	47	28	24	22	17	24	41	261	414	89	116	62
20	42	26	24	22	17	25	42	264	349	93	102	52
21	40	27	23	21	17	29	43	271	313	101	84	43
22	41	31	23	21	17	33	45	256	297	106	74	42
23	43	34	22	20	17	34	46	229	288	94	68	40
24	39	34	22	20	17	34	48	233	283	82	70	40
25	38	32	22	19	17	34	51	218	269	76	66	40
26	40	29	22	19	17	34	52	199	252	74	60	40
27	40	27	22	19	17	35	49	206	229	70	57	40
28	40	25	22	19	17	36	52	234	204	69	56	37
29	37	24	22	19	---	36	60	271	191	67	52	34
30	37	23	22	19	---	34	83	296	188	69	51	32
31	38	---	22	19	---	34	---	265	---	69	49	---
TOTAL	1307	923	733	657	480	771	1269	5649	9033	3274	2550	1370
MEAN	42.2	30.8	23.6	21.2	17.1	24.9	42.3	182	301	106	82.3	45.7
AC-FT	2590	1830	1450	1300	952	1530	2520	11200	17920	6490	5060	2720
MAX	48	37	26	24	19	36	83	296	473	182	134	63
MIN	37	23	22	19	17	17	33	87	188	67	49	32

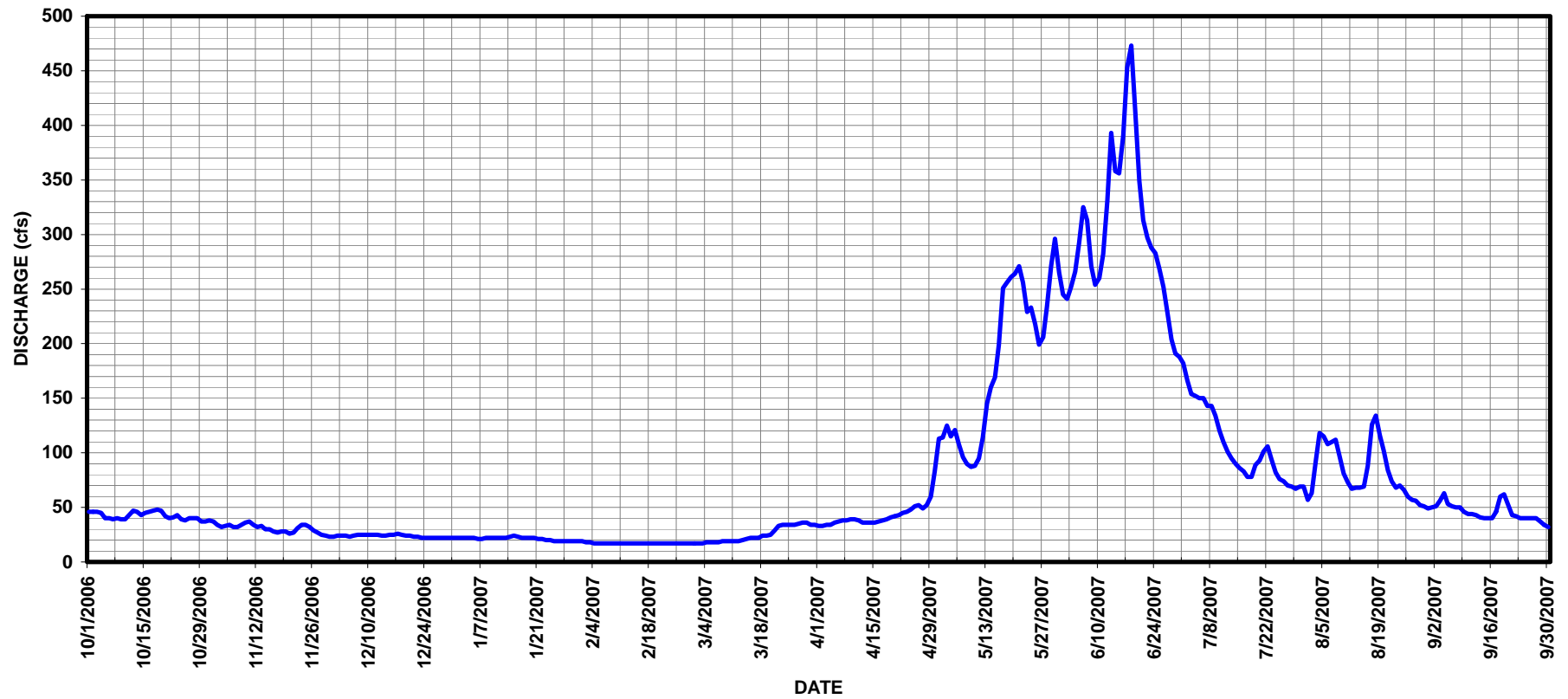
CAL YR	2006	TOTAL	23677	MEAN	64.9	MAX	276	MIN	14	AC-FT	46960
WTR YR	2007	TOTAL	28016	MEAN	76.8	MAX	473	MIN	17	AC-FT	55570

MAX DISCH: 505 CFS AT 19:45 ON Jun. 17, 2007 GH 2.55 FT. SHIFT -0.04 FT.

MAX GH: 2.55 FT. AT 19:45 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE CO
WY2007 HYDROGRAPH



BLUE RIVER BASIN

SNAKE RIVER AT KEYSTONE SKI AREA, CO

LOCATION.--Lat 39°36'24", long 105°57'06", in NE1/4 NE1/4 Sec. 24, T5S, R77W in Summit County. Located on left bank just below Keystone Ski Area snowmaking diversion, 0.5 mi below confluence with North Fork of Snake River, 1.5 mi above confluence with Keystone Gulch, and 3.2 mi upstream of Snake River Arm of Dillon Reservoir.

DRAINAGE AREA.--N/A.

GAGE.--Sutron Accububble sensor located in the gage pool downstream of the Keystone Ski Area snowmaking diversion. Accububble is wired to a Sutron 8210 DCP inside the pumphouse for snowmaking operations. The accububble is referenced to an outside staff gage below the snowmaking diversion point. Satellite data is primary record. Control is a "W"-shaped rock weir approximately 20 feet below the gage.

REMARKS.--Record is complete and reliable, except for the first half of October and the entire month of March. The Accububbler was not installed in the station until October 13th. Discharge for the first half of October was estimated as a percentage of USGS SNAMONCO station approximately 1 mile upstream. Bubbler operation and DCP transmission problems resulted in bad data for most of March. Record includes bypass water (pumped from Montezuma shaft of Roberts Tunnel) that is not diverted for snowmaking. Record is rated fair for Oct 14-31 and Mar. 1-3, 7, 8, 10, 30, and 31, and good for Nov. through Feb. During the estimated periods: Oct. 1-13, 2006; Mar 4-6, 9 and 11-29, 2007, the record is rated as poor. Record is published as a partial year record (Oct 1-Mar 31) only. Station was maintained by George Wear and James Kellogg and record was developed by Craig Bruner.

RATING TABLE.--SNAKEYCO12 USED FROM 01-OCT-2006 TO 31-MAR-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

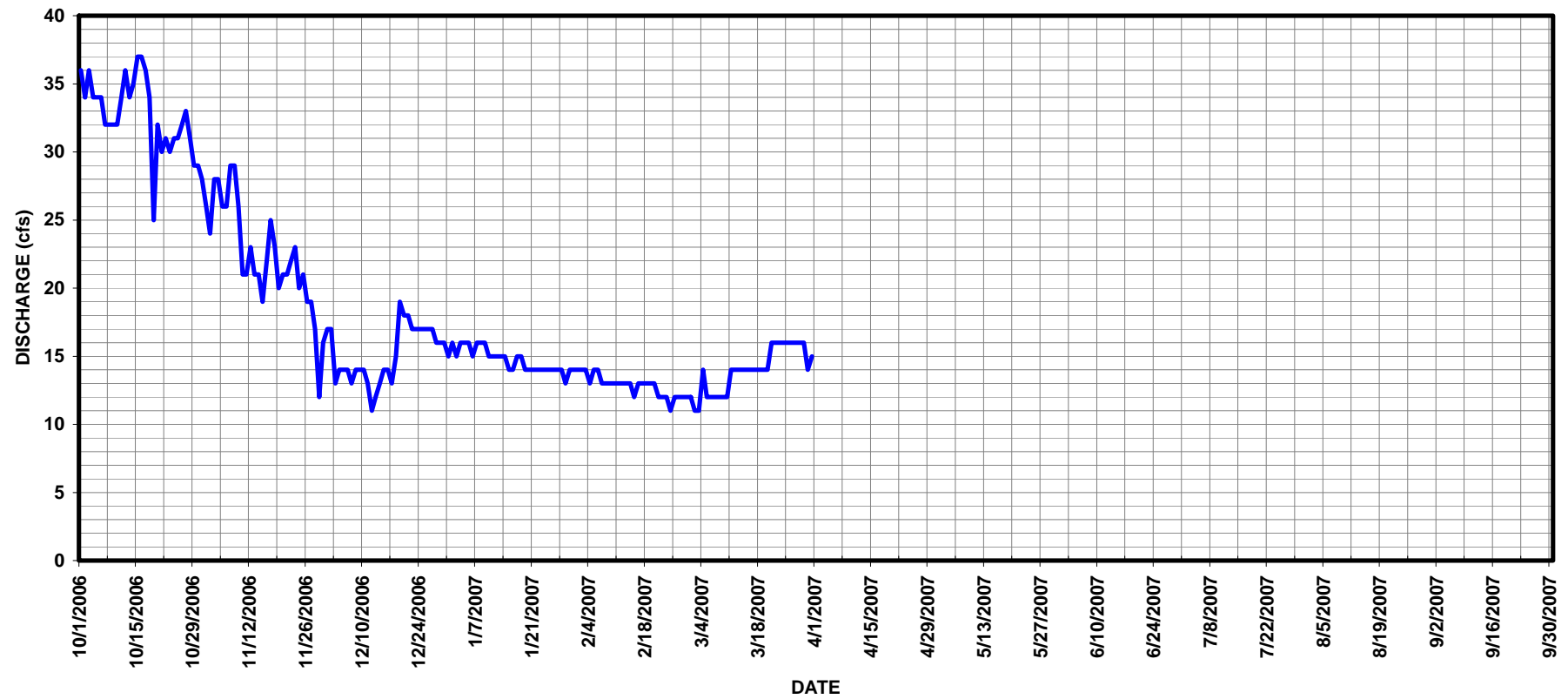
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e36	26	17	16	14	12	---	---	---	---	---	---
2	e34	24	17	15	14	11	---	---	---	---	---	---
3	e36	28	13	16	14	11	---	---	---	---	---	---
4	e34	28	14	16	13	e14	---	---	---	---	---	---
5	e34	26	14	16	14	e12	---	---	---	---	---	---
6	e34	26	14	15	14	e12	---	---	---	---	---	---
7	e32	29	13	16	13	12	---	---	---	---	---	---
8	e32	29	14	16	13	12	---	---	---	---	---	---
9	e32	26	14	16	13	e12	---	---	---	---	---	---
10	e32	21	14	15	13	12	---	---	---	---	---	---
11	e34	21	13	15	13	e14	---	---	---	---	---	---
12	e36	23	11	15	13	e14	---	---	---	---	---	---
13	e34	21	12	15	13	e14	---	---	---	---	---	---
14	35	21	13	15	13	e14	---	---	---	---	---	---
15	37	19	14	14	12	e14	---	---	---	---	---	---
16	37	22	14	14	13	e14	---	---	---	---	---	---
17	36	25	13	15	13	e14	---	---	---	---	---	---
18	34	23	15	15	13	e14	---	---	---	---	---	---
19	25	20	19	14	13	e14	---	---	---	---	---	---
20	32	21	18	14	13	e14	---	---	---	---	---	---
21	30	21	18	14	12	e16	---	---	---	---	---	---
22	31	22	17	14	12	e16	---	---	---	---	---	---
23	30	23	17	14	12	e16	---	---	---	---	---	---
24	31	20	17	14	11	e16	---	---	---	---	---	---
25	31	21	17	14	12	e16	---	---	---	---	---	---
26	32	19	17	14	12	e16	---	---	---	---	---	---
27	33	19	17	14	12	e16	---	---	---	---	---	---
28	31	17	16	14	12	e16	---	---	---	---	---	---
29	29	12	16	13	---	e16	---	---	---	---	---	---
30	29	16	16	14	---	14	---	---	---	---	---	---
31	28	---	15	14	---	15	---	---	---	---	---	---
TOTAL	1011	669	469	456	359	433	---	---	---	---	---	---
MEAN	32.6	22.3	15.1	14.7	12.8	14.0	---	---	---	---	---	---
AC-FT	2010	1330	930	904	712	859	---	---	---	---	---	---
MAX	37	29	19	16	14	16	---	---	---	---	---	---
MIN	25	12	11	13	11	11	---	---	---	---	---	---

CAL YR	2006	TOTAL	3141.7	MEAN	17.3	MAX	29	MIN	7.5	AC-FT	6230	(PARTIAL YEAR RECORD)
WTR YR	2007	TOTAL	3397	MEAN	18.9	MAX	37	MIN	11	AC-FT	6740	(PARTIAL YEAR RECORD)

MAX DISCH: 47.9 CFS AT 15:45 ON Oct. 23, 2006 GH 2.20 FT. SHIFT 0.00 FT.
MAX GH: 2.20 FT. AT 15:45 ON Oct. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e - Estimated

SNAKE RIVER AT KEYSTONE SKI AREA CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°13'30", long 106°51'20", NW¼ SW¼ Sec. 35, T9S, R85W in Pitkin County. Located on left bank at Aspen Consolidated Sanitation Plant 0.5 mi east of Aspen Airport and 0.8 mi downstream from confluence of Maroon Creek.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, shaft encoder, and Sutron 8004 satellite telemetry system in precast concrete building over stilling well. Recorder and shaft encoder are set by inside drop tape from adjustable reference point on instrument shelf. Primary record is satellite data and chart record is used for backup. Control is a rock and cobble riffle (low flows) and boulders (high flows). Elevation of gage is 7560 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following days when the stage-discharge relationship was affected by ice: Dec 4-5, 22-26, and 31, 2006; Jan 1-3, 6-10, and 15-31; Feb 1-4; and Mar 1-5, 2007. Upstream transmountain diversions occur through Twin Lakes Tunnel and through Hunter Tunnel. Record is good except for periods of ice-affected record, which are fair. Station operated and maintained by George Wear and James Kellogg. Record developed by James Kellogg.

RATING TABLE.--ROABMCCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

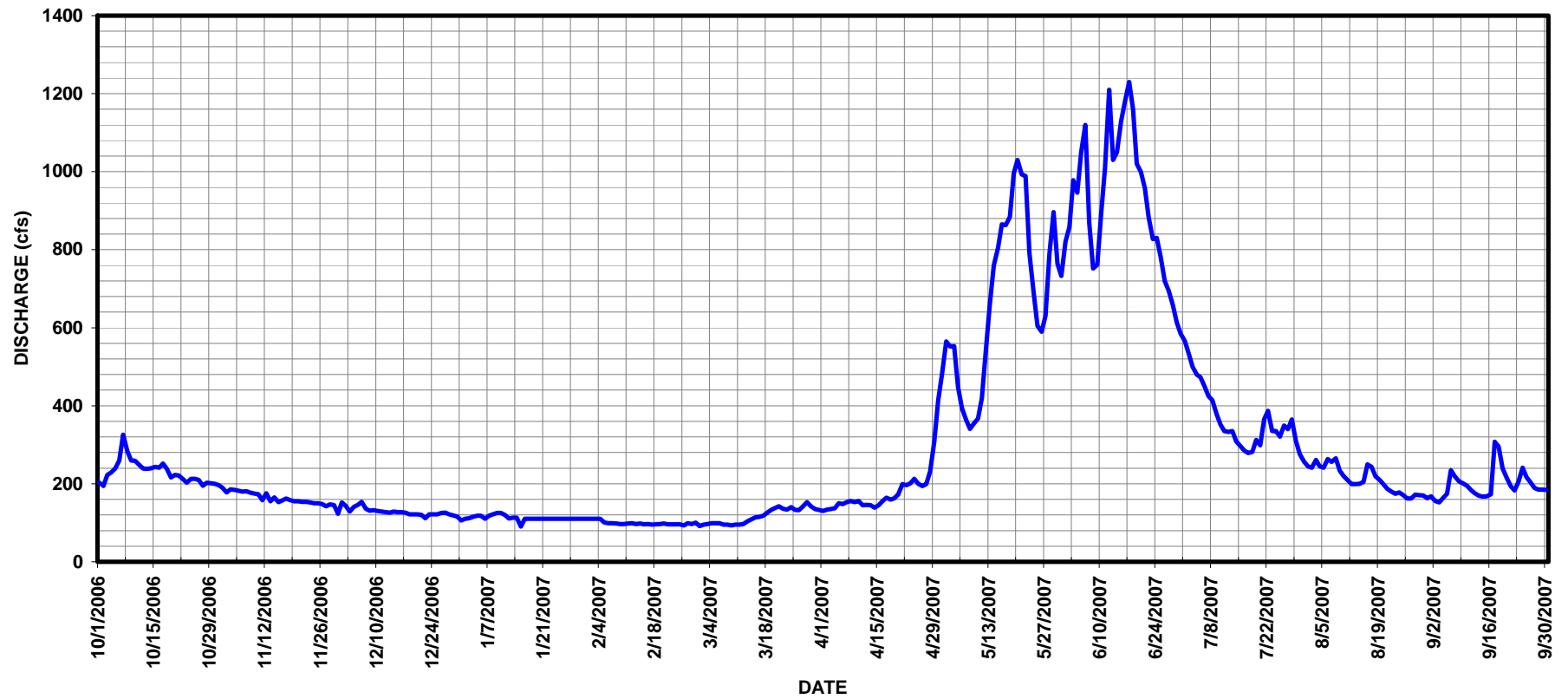
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	203	190	152	110	110	92	130	482	821	566	245	168
2	195	178	143	112	110	95	134	565	858	534	241	156
3	223	186	129	115	110	97	135	552	978	500	261	152
4	229	184	141	118	110	99	137	553	946	480	245	163
5	240	182	146	118	101	99	150	448	1050	473	241	174
6	260	180	154	110	99	99	148	394	1120	451	263	235
7	326	181	136	118	99	95	153	364	869	425	256	219
8	284	177	131	122	98	95	156	341	752	414	265	206
9	260	175	132	125	97	93	153	354	761	379	234	201
10	259	173	130	125	97	95	156	367	892	352	220	195
11	248	158	129	120	98	95	145	420	1010	335	209	184
12	239	176	127	111	99	97	146	539	1210	333	199	176
13	238	155	126	113	97	104	145	663	1030	335	199	169
14	240	165	129	113	98	109	139	760	1050	309	200	167
15	243	153	127	90	96	114	145	804	1130	297	205	168
16	241	157	127	110	97	115	156	865	1180	285	250	173
17	252	162	126	110	95	118	164	863	1230	279	243	307
18	238	158	122	110	96	126	159	884	1160	282	219	295
19	216	155	122	110	97	133	163	996	1020	312	210	239
20	223	155	122	110	98	138	173	1030	999	299	199	216
21	221	154	120	110	96	142	199	993	958	365	187	194
22	212	154	112	110	96	136	196	989	882	387	180	183
23	203	152	122	110	96	134	201	790	827	335	174	205
24	213	150	122	110	96	140	213	691	830	335	178	241
25	213	150	122	110	93	133	200	605	782	321	171	217
26	210	148	125	110	99	132	194	590	719	349	162	204
27	195	142	126	110	97	142	199	631	695	340	162	189
28	203	147	122	110	100	153	232	789	658	365	172	185
29	201	145	119	110	---	142	309	896	614	309	171	185
30	200	123	116	110	---	135	414	764	585	275	170	184
31	196	---	106	110	---	133	---	733	---	257	163	---
TOTAL	7124	4865	3963	3480	2775	3630	5344	20715	27616	11278	6494	5950
MEAN	230	162	128	112	99.1	117	178	668	921	364	209	198
AC-FT	14130	9650	7860	6900	5500	7200	10600	41090	54780	22370	12880	11800
MAX	326	190	154	125	110	153	414	1030	1230	566	265	307
MIN	195	123	106	90	93	92	130	341	585	257	162	152

CAL YR	2006	TOTAL	104585	MEAN	287	MAX	1370	MIN	78	AC-FT	207400
WTR YR	2007	TOTAL	103234	MEAN	283	MAX	1230	MIN	90	AC-FT	204800

MAX DISCH: 1440 CFS AT 23:30 ON Jun. 17, 2007 GH 4.74 FT. SHIFT 0.1 FT.
MAX GH: 4.74 FT. AT 23:30 ON Jun. 17, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

ROARING FORK RIVER ABOVE FRYINGPAN RIVER NEAR BASALT, CO

LOCATION.--Lat 39° 21'40", long 107° 01'44" in SW1/4 NE1/4 Sec. 18, T8S, R86W in Pitkin County. Located on left bank of Roaring Fork River, just below Highway 82 bridge, 0.5 mi. above confluence with Fryingpan River, and 2.5 mi. above confluence with Sopris Creek.

DRAINAGE AREA.--N/A.

GAGE.--Sutron Model 5600 AccuBubble sensor and Sutron SatLink 2 data collection platform (DCP) housed in 2'-0" rectangular steel shelter. AccuBubble sensor is referenced to outside staff gage. Primary record is DCP log data, with satellite data used as backup.

REMARKS.--The 15-minute DCP log data were used to develop the record, which is complete for the period of operation. The record is questionable due to uncertainty in staff gage readings after the gage potentially moved during the period of high flows in spring runoff. During this period the accububble gage could not be calibrated reliably. A hydrographic comparison was made with downstream gage Roaring Fork River near Emma (ROAEMMCO) and releases from Ruedi Reservoir into the Fryingpan River measured at Fryingpan River below Ruedi Reservoir (FRYRUDCO). This comparison revealed the inaccuracy of Rating 2 above about 400 cfs in flow. Average daily discharge was estimated Apr 1-4, 22-30; May 1-31; Jun 1-30; Jul 1-15, 22-30; Aug 25 and Sep 7-11, 18-19, 2007. Record is fair except for periods of estimated daily discharge, which are poor. The gage is operated on a seasonal basis (Apr 1 - Oct 31 only). The gage was started in operation in late October 2006. WY2007 is the first year to publish this record. Gaging station operated and maintained by James Kellogg. Discharge record was developed by James Kellogg.

RATING TABLE.--ROAFRYCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	215	643	1000	766	275	165
2	---	---	---	---	---	---	220	775	1050	726	260	161
3	---	---	---	---	---	---	230	779	1310	655	266	153
4	---	---	---	---	---	---	234	809	1270	612	266	156
5	---	---	---	---	---	---	263	675	1420	600	258	156
6	---	---	---	---	---	---	274	599	1640	584	323	190
7	---	---	---	---	---	---	276	528	1220	540	324	208
8	---	---	---	---	---	---	283	463	1030	524	321	193
9	---	---	---	---	---	---	285	460	980	493	275	187
10	---	---	---	---	---	---	288	447	1160	451	236	186
11	---	---	---	---	---	---	267	485	1370	425	222	178
12	---	---	---	---	---	---	254	640	1750	434	205	172
13	---	---	---	---	---	---	252	869	1490	437	204	165
14	---	---	---	---	---	---	235	1020	1450	380	201	156
15	---	---	---	---	---	---	235	1090	1590	361	215	157
16	---	---	---	---	---	---	245	1170	1720	336	246	156
17	---	---	---	---	---	---	272	1160	1810	312	262	276
18	---	---	---	---	---	---	263	1160	1830	323	238	441
19	---	---	---	---	---	---	261	1330	1540	364	222	325
20	---	---	---	---	---	---	269	1460	1470	390	212	280
21	---	---	---	---	---	---	305	1400	1430	417	196	244
22	---	---	---	---	---	---	327	1440	1320	509	181	219
23	---	---	---	---	---	---	312	1120	1210	461	173	217
24	---	---	---	---	---	---	331	927	1220	441	175	375
25	---	---	---	---	---	---	305	782	1120	430	174	326
26	---	---	---	---	---	---	287	718	1000	503	167	271
27	---	---	---	---	---	---	285	735	967	453	159	253
28	---	---	---	---	---	---	320	910	905	510	170	237
29	---	---	---	---	---	---	415	1130	845	423	168	230
30	---	---	---	---	---	---	553	976	785	345	171	231
31	---	---	---	---	---	---	---	905	---	307	160	---
TOTAL	---	---	---	---	---	---	8561	27605	38902	14512	6925	6664
MEAN	---	---	---	---	---	---	285	890	1297	468	223	222
AC-FT	---	---	---	---	---	---	16980	54750	77160	28780	13740	13220
MAX	---	---	---	---	---	---	553	1460	1830	766	324	441
MIN	---	---	---	---	---	---	215	447	785	307	159	153

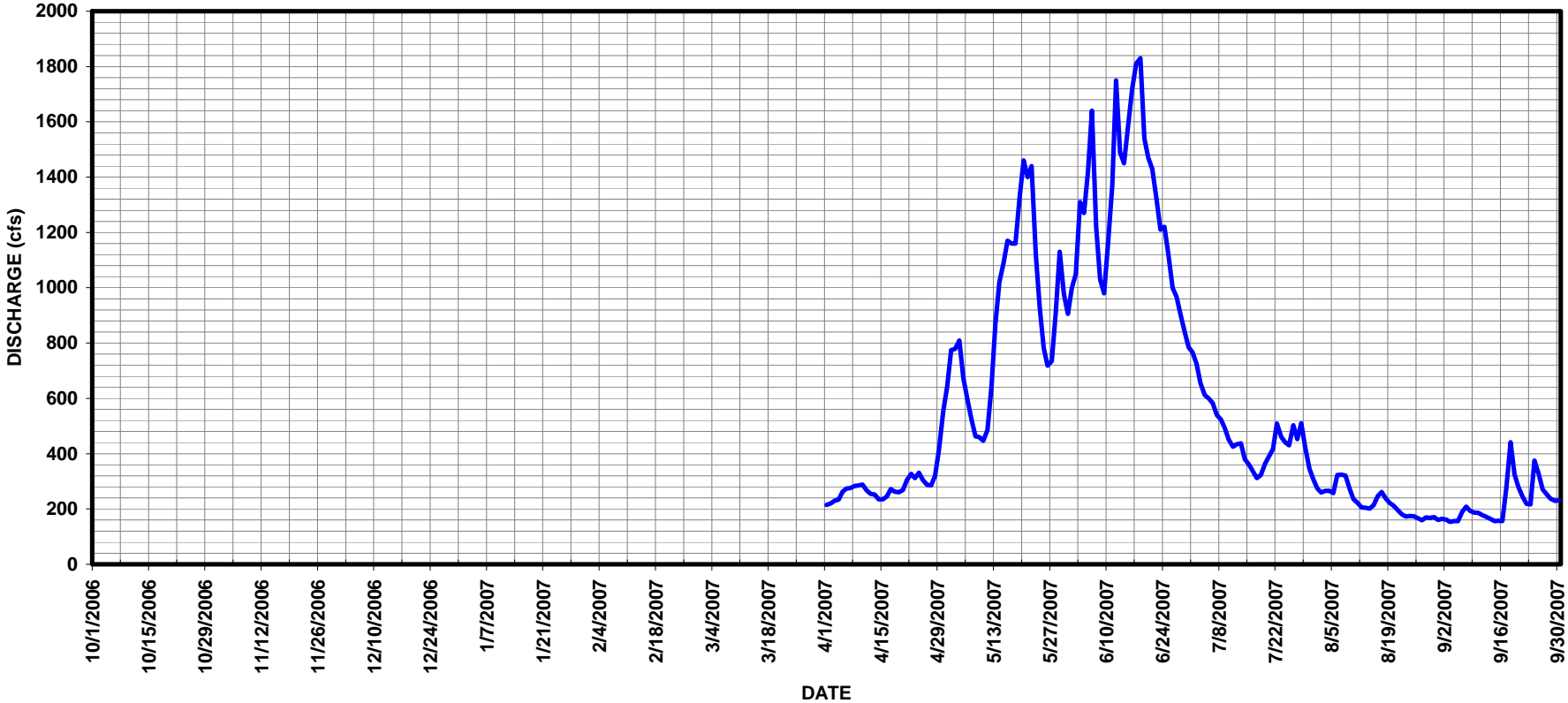
WTR YR 2007 TOTAL 103169 MEAN 564 MAX 1830 MIN 153 AC-FT 204600 (PARTIAL YEAR RECORD)

MAX DAILY DISCH: 1830 CFS ON Jun. 18, 2007

MAX DISCHARGE OCCURRED DURING A PERIOD OF ESTIMATED GAGE HEIGHT RECORD

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ROARING FORK RIVER ABOVE FRYINGPAN RIVER NEAR BASALT CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO

LOCATION.--Lat 39°14'42", long 106°31'50", unsurveyed in Pitkin County, Hydrologic Unit 14010004. Located on left bank 100 ft downstream from diversion dam, 2 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, CO.

DRAINAGE AREA.--18.7 mi².

GAGE.--Sutron stage discharge recorder (SDR) installed Sep 6, 2006 in 3'-0" square doghouse style metal-clad shelter on 24" diameter corrugated metal well located directly in stream. A Stevens A-35 chart recorder (previously used as primary data source for record) was removed from shelter on Oct 5, 2006. SDR is set by drop tape to an inside reference point on edge of equipment shelf. Primary record is SDR data. A USBR shaft encoder inside shelter (with shared float) is hard-wired to Chapman control house for satellite transmission. SDR serves as primary data to develop record. No USBR data were available in WY2007. Control is a 9.8-ft. wide sharp-crested concrete weir 20 ft. below gage. Elevation of gage is 9,945 ft from topographic map.

REMARKS.--Record is complete and reliable, except for the period of Nov 12, 2006 through Apr 22, 2007 when the well was frozen. Comparison with downstream gage at Thomasville (FRYTHOCO) was used to estimate record for this period. Record is good except for period of no gage height record, which is poor. Gaging station operated by George Wear, James Kellogg, and Craig Bruner. Discharge record computed by James Kellogg.

RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

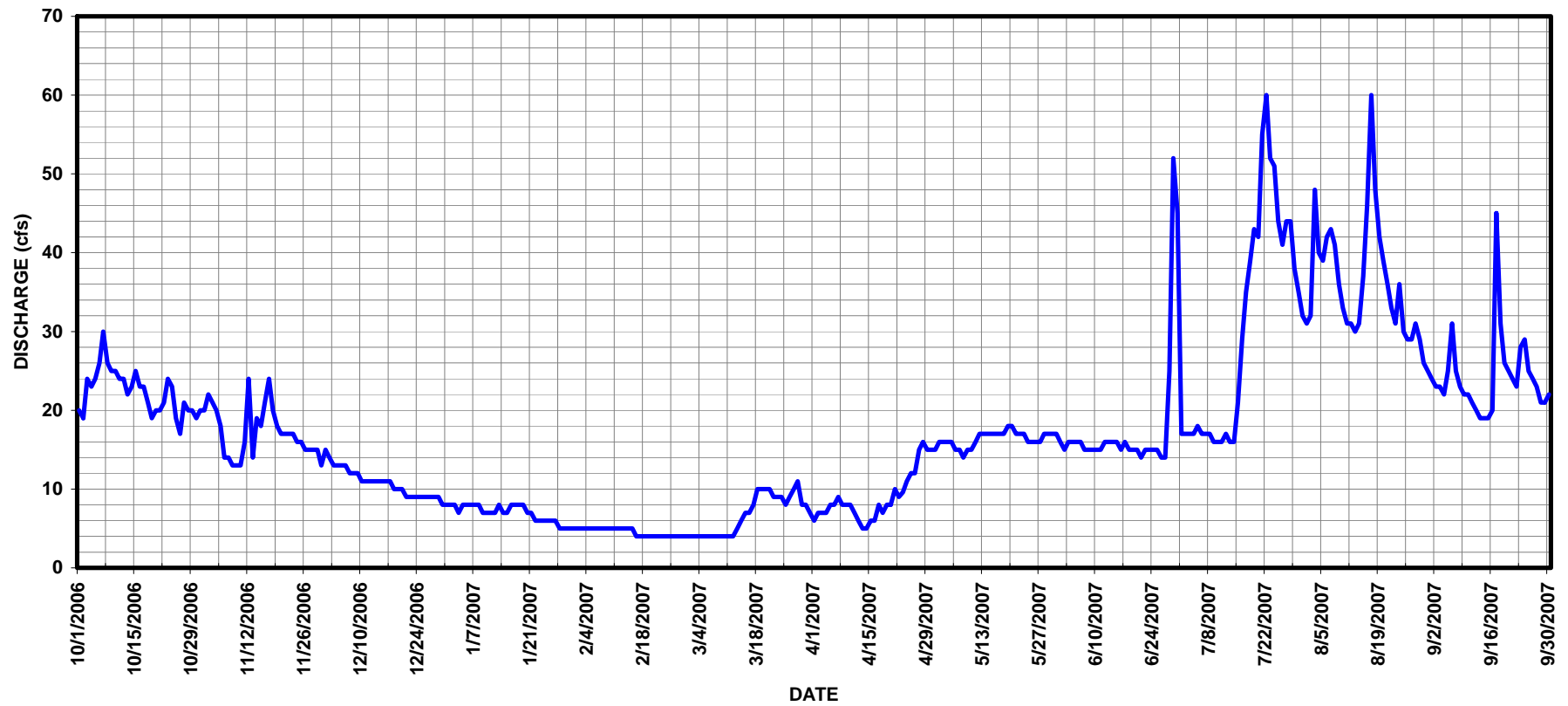
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	20	15	8.0	5.0	4.0	6.0	15	16	17	31	24
2	19	22	14	8.0	5.0	4.0	7.0	16	15	17	32	23
3	24	21	13	7.0	5.0	4.0	7.0	16	16	17	48	23
4	23	20	13	8.0	5.0	4.0	7.0	16	16	17	40	22
5	24	18	13	8.0	5.0	4.0	8.0	16	16	18	39	25
6	26	14	13	8.0	5.0	4.0	8.0	15	16	17	42	31
7	30	14	12	8.0	5.0	4.0	9.0	15	15	17	43	25
8	26	13	12	8.0	5.0	4.0	8.0	14	15	17	41	23
9	25	13	12	7.0	5.0	4.0	8.0	15	15	16	36	22
10	25	13	11	7.0	5.0	4.0	8.0	15	15	16	33	22
11	24	16	11	7.0	5.0	4.0	7.0	16	15	16	31	21
12	24	24	11	7.0	5.0	4.0	6.0	17	16	17	31	20
13	22	14	11	8.0	5.0	5.0	5.0	17	16	16	30	19
14	23	19	11	7.0	5.0	6.0	5.0	17	16	16	31	19
15	25	18	11	7.0	5.0	7.0	6.0	17	16	21	37	19
16	23	21	11	8.0	4.0	7.0	6.0	17	15	29	46	20
17	23	24	11	8.0	4.0	8.0	8.0	17	16	35	60	45
18	21	20	10	8.0	4.0	10	7.0	17	15	39	48	31
19	19	18	10	8.0	4.0	10	8.0	18	15	43	42	26
20	20	17	10	7.0	4.0	10	8.0	18	15	42	39	25
21	20	17	9.0	7.0	4.0	10	10	17	14	55	36	24
22	21	17	9.0	6.0	4.0	9.0	9.0	17	15	60	33	23
23	24	17	9.0	6.0	4.0	9.0	9.6	17	15	52	31	28
24	23	16	9.0	6.0	4.0	9.0	11	16	15	51	36	29
25	19	16	9.0	6.0	4.0	8.0	12	16	15	44	30	25
26	17	15	9.0	6.0	4.0	9.0	12	16	14	41	29	24
27	21	15	9.0	6.0	4.0	10	15	16	14	44	29	23
28	20	15	9.0	5.0	4.0	11	16	17	25	44	31	21
29	20	15	9.0	5.0	---	8.0	15	17	52	38	29	21
30	19	13	8.0	5.0	---	8.0	15	17	45	35	26	22
31	20	---	8.0	5.0	---	7.0	---	17	---	32	25	---
TOTAL	690	515	332.0	215.0	127.0	209.0	266.6	507	534	939	1115	725
MEAN	22.3	17.2	10.7	6.94	4.54	6.74	8.89	16.4	17.8	30.3	36.0	24.2
AC-FT	1370	1020	659	426	252	415	529	1010	1060	1860	2210	1440
MAX	30	24	15	8.0	5.0	11	16	18	52	60	60	45
MIN	17	13	8.0	5.0	4.0	4.0	5.0	14	14	16	25	19

CAL YR	2006	TOTAL	6404.8	MEAN	17.5	MAX	70	MIN	5.9	AC-FT	12700
WTR YR	2007	TOTAL	6174.6	MEAN	16.9	MAX	60	MIN	4.0	AC-FT	12250

MAX DISCH: 100 CFS AT 22:00 ON Aug. 16, 2007 GH 2.2 FT. SHIFT 0 FT.
MAX GH: 2.2 FT. AT 22:00 ON Aug. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed in Pitkin County, Hydrologic Unit 14010004. Located on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, CO.

DRAINAGE AREA.--9.43 mi².

GAGE.--Sutron stage discharge recorder (SDR) housed in a 3'-0" square metal-clad shelter on 24" diameter corrugated metal well located directly in stream. SDR was installed in Sep 2006 and Stevens A-35 graphic water-stage recorder was removed. SDR is set by drop tape to an inside reference point on edge of equipment shelf. Primary record is SDR data. A USBR shaft encoder (with separate float) in the shelter is hard-wired to Chapman Control House for satellite transmission. No USBR data were available in WY 2007. Control is a 120° v-notch weir (low flows) 55 ft below the gage and 8 ft culvert (high flows) 60 feet below the gage. Elevation of gage is 9,980 ft from topographic map.

REMARKS.--Record is complete and reliable for the year, except for the following days: Oct 27 to Nov 3, 2006, when gage height was affected by backwater from ice, and Nov 4, 2006 to Apr 1, 2007, when the well was frozen. Record is good, except for periods of ice effect and no gage height record, which are poor. Station operated by George Wear and James Kellogg. Record developed by Ed Wilson and James Kellogg.

RATING TABLE.--IVCRNACO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	4.1	2.6	2.0	1.6	1.7	2.4	3.3	2.7	3.4	1.5	.97
2	4.5	4.1	2.6	2.0	1.6	1.7	2.4	3.3	3.0	3.7	1.4	.95
3	6.8	4.1	2.6	2.0	1.8	1.7	2.5	4.3	3.4	3.6	4.1	1.0
4	7.2	4.1	2.6	2.0	1.8	1.7	2.3	7.0	3.4	3.5	2.2	1.0
5	7.4	4.0	2.5	2.0	1.8	1.7	2.4	14	3.6	3.6	2.1	.93
6	7.2	4.0	2.4	1.9	1.7	1.7	2.5	10	3.3	3.6	3.0	1.1
7	7.2	4.1	2.4	1.9	1.6	1.7	2.7	6.7	4.8	6.7	3.7	.96
8	6.1	4.0	2.4	1.9	1.6	1.6	2.6	7.5	5.5	9.0	3.9	.85
9	5.5	4.0	2.4	1.9	1.6	1.6	2.6	5.5	5.5	5.7	2.2	.80
10	5.2	3.5	2.3	1.9	1.6	1.6	2.6	2.7	5.7	3.5	1.7	.77
11	5.0	3.4	2.3	1.9	1.6	1.4	2.6	2.9	6.0	2.7	1.5	.61
12	4.7	3.3	2.3	1.9	1.6	2.4	2.6	3.1	5.1	4.2	1.4	.56
13	4.6	3.2	2.3	1.9	1.6	2.3	2.4	3.0	3.7	4.7	1.4	.52
14	4.5	3.3	2.3	1.8	1.6	2.1	2.2	3.3	3.3	2.9	1.9	.48
15	6.0	3.2	2.3	1.8	1.6	2.1	2.5	3.1	3.2	2.3	2.3	.49
16	5.7	3.2	2.3	1.8	1.6	2.1	3.1	3.2	4.1	2.2	3.0	.56
17	5.9	3.1	2.3	1.8	1.7	2.1	3.3	3.2	4.1	2.4	2.5	5.6
18	5.5	3.1	2.2	1.8	1.8	2.1	3.3	3.6	4.6	2.0	1.6	2.5
19	4.3	3.1	2.2	1.8	1.7	2.1	3.8	3.7	21	2.6	1.4	1.5
20	4.9	3.0	2.2	1.8	1.7	2.3	5.3	3.6	3.5	2.7	1.3	1.2
21	4.7	3.0	2.2	1.8	1.7	2.3	7.1	3.3	3.3	2.2	1.2	1.1
22	4.5	3.0	2.2	1.8	1.7	2.3	8.0	2.9	25	2.0	1.1	.98
23	5.2	3.0	2.1	1.8	1.7	2.3	6.4	2.6	34	2.6	1.0	1.1
24	4.7	2.9	2.1	1.8	1.7	2.3	2.6	2.6	20	1.7	1.5	1.9
25	4.4	2.9	2.1	1.6	1.7	2.3	2.5	2.6	20	1.6	1.2	1.3
26	4.6	2.7	2.1	1.6	1.7	2.3	2.4	2.7	19	1.9	1.1	1.1
27	4.6	2.7	2.1	1.6	1.7	2.3	2.4	2.8	18	3.1	1.1	1.1
28	4.6	2.7	2.1	1.6	1.7	2.4	2.7	2.8	17	4.8	1.4	1.0
29	4.6	2.6	2.1	1.6	---	2.4	3.1	2.6	16	3.0	1.1	1.1
30	4.5	2.6	2.1	1.6	---	2.4	3.1	2.8	11	1.9	1.0	1.4
31	4.4	---	2.1	1.6	---	2.4	---	2.9	---	1.7	.99	---
TOTAL	164.2	100.0	70.8	56.2	46.8	63.4	96.4	127.6	282.8	101.5	56.79	35.43
MEAN	5.30	3.33	2.28	1.81	1.67	2.05	3.21	4.12	9.43	3.27	1.83	1.18
AC-FT	326	198	140	111	93	126	191	253	561	201	113	70
MAX	7.4	4.1	2.6	2.0	1.8	2.4	8.0	14	34	9.0	4.1	5.6
MIN	4.3	2.6	2.1	1.6	1.6	1.4	2.2	2.6	2.7	1.6	.99	.48

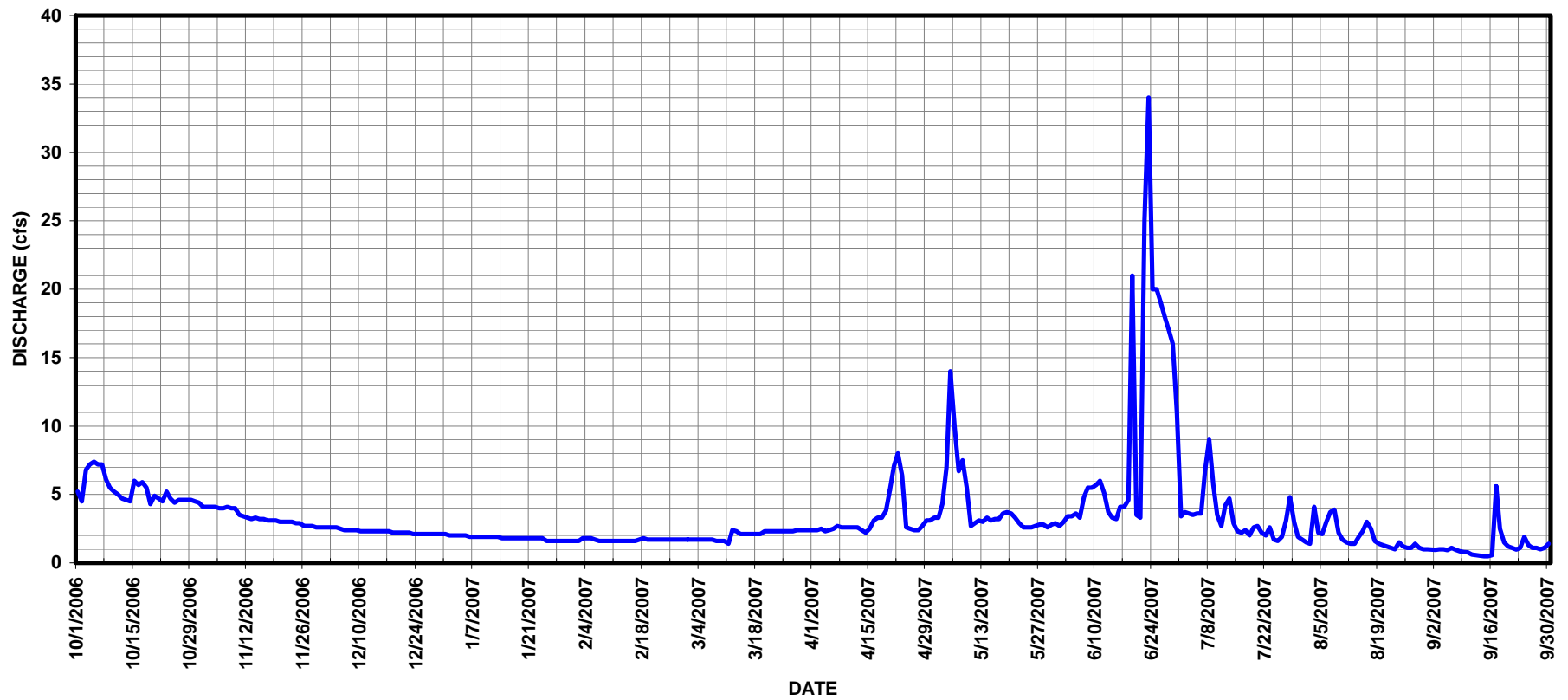
CAL YR	2006	TOTAL	1254.99	MEAN	3.44	MAX	46	MIN	.34	AC-FT	2490
WTR YR	2007	TOTAL	1201.92	MEAN	3.29	MAX	34	MIN	.48	AC-FT	2380

MAX DISCH: 64.6 CFS AT 12:15 ON Jun. 19, 2007 GH 2.35 FT. SHIFT 0.06 FT.

MAX GH: 2.35 FT. AT 12:15 ON Jun. 19, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077610 IVANHOE CREEK NEAR NAST CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE, CO

LOCATION.--Lat 39°14'20", long 106°35'24", unsurveyed in Pitkin County, Hydrologic Unit 14010004. Located on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, CO.

DRAINAGE AREA.--11.5 mi².

GAGE.--Sutron stage discharge recorder (SDR) on rectangular platform with removable steel cover on 12" diameter corrugated metal well located directly in stream. SDR was installed on Oct 4, 2006. Stevens A-35 graphic water-stage recorder previously located in upstream rectangular steel box on 4" diameter stand point was removed Oct 4, 2006. SDR is set by drop tape to a reference point (1/4 in brass bolt) on downstream side of graphic recorder shelter. Primary record is SDR data. A USBR shaft encoder in the shelter (connected to SDR wheel by a chain) is hard-wired to Chapman Control House for satellite transmission. No USBR data were available in WY 2007. Control is a 6.2-ft. wide concrete weir. Elevation of gage is 9,990 ft from topographic map.

REMARKS.--Record is complete and reliable, except for Oct. 1 to Oct 4, 2006, when the chart recorder was not working and SDR was not installed; Oct 28, 2006 - April 10, 2007, when the well was frozen; and Jun 19 - July 9, July 15-20, and Aug 18 - Sep 11, 2007, when the float or counter weight caused the SDR record to flatline at about 2.75 ft, occurred when gage height was receding after periods of high discharge. Record is fair, except for periods of no gage height record, which are poor. Station operated by George Wear and James Kellogg. Record developed by Ed Wilson and James Kellogg.

RATING TABLE.--FRYSFUCO9 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

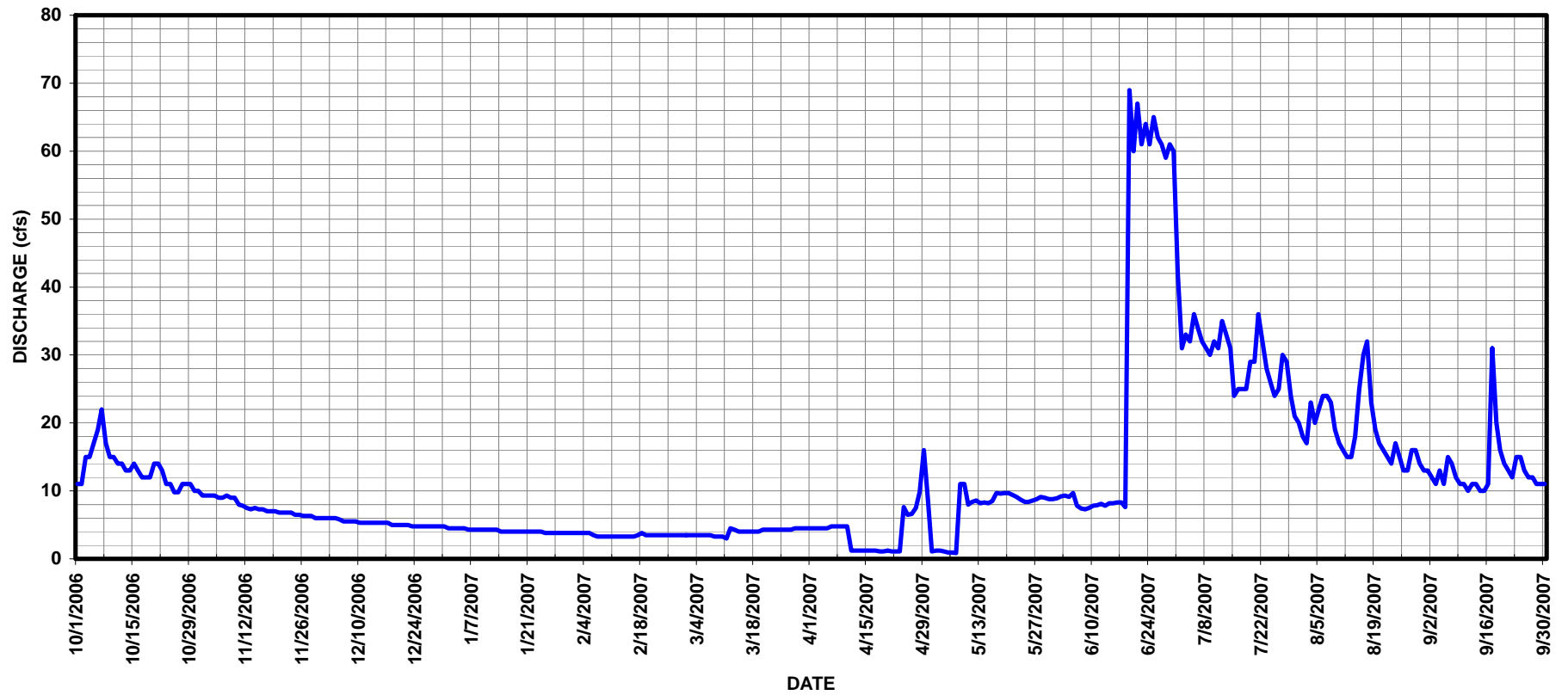
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	9.3	6.0	4.5	3.8	3.5	4.5	1.1	8.9	42	18	13
2	11	9.3	6.0	4.5	3.8	3.5	4.5	1.2	9.2	31	17	12
3	15	9.3	6.0	4.5	3.8	3.5	4.5	1.2	9.3	33	23	11
4	15	9.3	6.0	4.5	3.8	3.5	4.5	1.1	9.1	32	20	13
5	17	9.0	5.8	4.5	3.8	3.5	4.5	.94	9.7	36	22	11
6	19	9.0	5.5	4.3	3.5	3.5	4.8	.93	7.8	34	24	15
7	22	9.3	5.5	4.3	3.3	3.5	4.8	.87	7.4	32	24	14
8	17	9.0	5.5	4.3	3.3	3.3	4.8	11	7.3	31	23	12
9	15	9.0	5.5	4.3	3.3	3.3	4.8	11	7.5	30	19	11
10	15	8.0	5.3	4.3	3.3	3.3	4.8	8.0	7.8	32	17	11
11	14	7.8	5.3	4.3	3.3	3.0	1.2	8.4	7.9	31	16	10
12	14	7.5	5.3	4.3	3.3	4.5	1.2	8.6	8.1	35	15	11
13	13	7.3	5.3	4.3	3.3	4.3	1.2	8.2	7.8	33	15	11
14	13	7.5	5.3	4.0	3.3	4.0	1.2	8.3	8.2	31	18	10
15	14	7.3	5.3	4.0	3.3	4.0	1.2	8.2	8.2	24	25	10
16	13	7.3	5.3	4.0	3.3	4.0	1.2	8.5	8.3	25	30	11
17	12	7.0	5.3	4.0	3.5	4.0	1.2	9.7	8.3	25	32	31
18	12	7.0	5.0	4.0	3.8	4.0	1.1	9.6	7.6	25	23	20
19	12	7.0	5.0	4.0	3.5	4.0	1.1	9.7	69	29	19	16
20	14	6.8	5.0	4.0	3.5	4.3	1.2	9.7	60	29	17	14
21	14	6.8	5.0	4.0	3.5	4.3	1.1	9.4	67	36	16	13
22	13	6.8	5.0	4.0	3.5	4.3	1.1	9.1	61	32	15	12
23	11	6.8	4.8	4.0	3.5	4.3	1.1	8.7	64	28	14	15
24	11	6.5	4.8	4.0	3.5	4.3	7.6	8.4	61	26	17	15
25	9.8	6.5	4.8	3.8	3.5	4.3	6.5	8.4	65	24	15	13
26	9.8	6.3	4.8	3.8	3.5	4.3	6.6	8.6	62	25	13	12
27	11	6.3	4.8	3.8	3.5	4.3	7.5	8.8	61	30	13	12
28	11	6.3	4.8	3.8	3.5	4.5	9.9	9.1	59	29	16	11
29	11	6.0	4.8	3.8	---	4.5	16	9.0	61	24	16	11
30	10	6.0	4.8	3.8	---	4.5	8.6	8.8	60	21	14	11
31	10	---	4.8	3.8	---	4.5	---	8.8	---	20	13	---
TOTAL	409.6	227.3	162.4	127.5	97.8	122.6	124.3	223.3	898.4	915	579	392
MEAN	13.2	7.58	5.24	4.11	3.49	3.95	4.14	7.20	29.9	29.5	18.7	13.1
AC-FT	812	451	322	253	194	243	247	443	1780	1810	1150	778
MAX	22	9.3	6.0	4.5	3.8	4.5	16	11	69	42	32	31
MIN	9.8	6.0	4.8	3.8	3.3	3.0	1.1	.87	7.3	20	13	10
CAL YR	2006	TOTAL	4170.7	MEAN	11.4	MAX	120	MIN	2.5	AC-FT	8270	
WTR YR	2007	TOTAL	4279.2	MEAN	11.7	MAX	69	MIN	.87	AC-FT	8490	

MAX DAILY DISCH: 69.0 CFS ON JUN 19, 2007

PEAK DISCHARGE OCCURRED DURING PERIOD OF NO GAGE HT RECORD

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

LOCATION.--Lat 39°15'51", long 106°37'54", in NW1/4 SE1/4 Sec. 14, T8S, R83W in Pitkin County, Hydrologic Unit 14010004. Located on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, CO.

DRAINAGE AREA.--5.99 mi².

GAGE.--Station is equipped with a Stevens A-35 graphic water-stage recorder and a Sutron stage discharge recorder (SDR) in 3'-0" square metal-clad shelter on a 24" diameter corrugated metal well located directly in stream. Recorder and SDR are equipped with separate floats and are set using a drop tape from an inside reference point. Primary record is SDR data and chart is used as backup. The SDR was malfunctioning during part of the year and was replaced on Jun. 12. The USBR has a shaft encoder in the shelter (connected with belt to the Stevens A-35 recorder wheel) that is hard-wired to Chapman Control House. No USBR data were available for development of the WY 2007 record. Control is a 120° v-notch sharp-crested weir (low flows) and channel (high flows). Elevation of gage is 9,982.76 ft.

REMARKS.--SDR data were used to develop a record that is complete and reliable from Oct 1, 2006 to March 15, 2007. Record was estimated from Mar. 16 to Apr. 9, 2007, when the chart recorder was out of paper and SDR was malfunctioning. Chart data were used from Apr. 10 to Jun. 12, 2007, to develop a record that is reliable except for May 10, 15, 18 and 20-22 when low ink resulted in skipping. New SDR was installed and used to develop a record that is complete and reliable from June 13 to Sep. 30, 2007. Record is good, except for periods of no gage height record, which are poor. Gaging station operated by George Wear and James Kellogg. Record developed by James Kellogg.

RATING TABLE.--CHAGULCO06 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

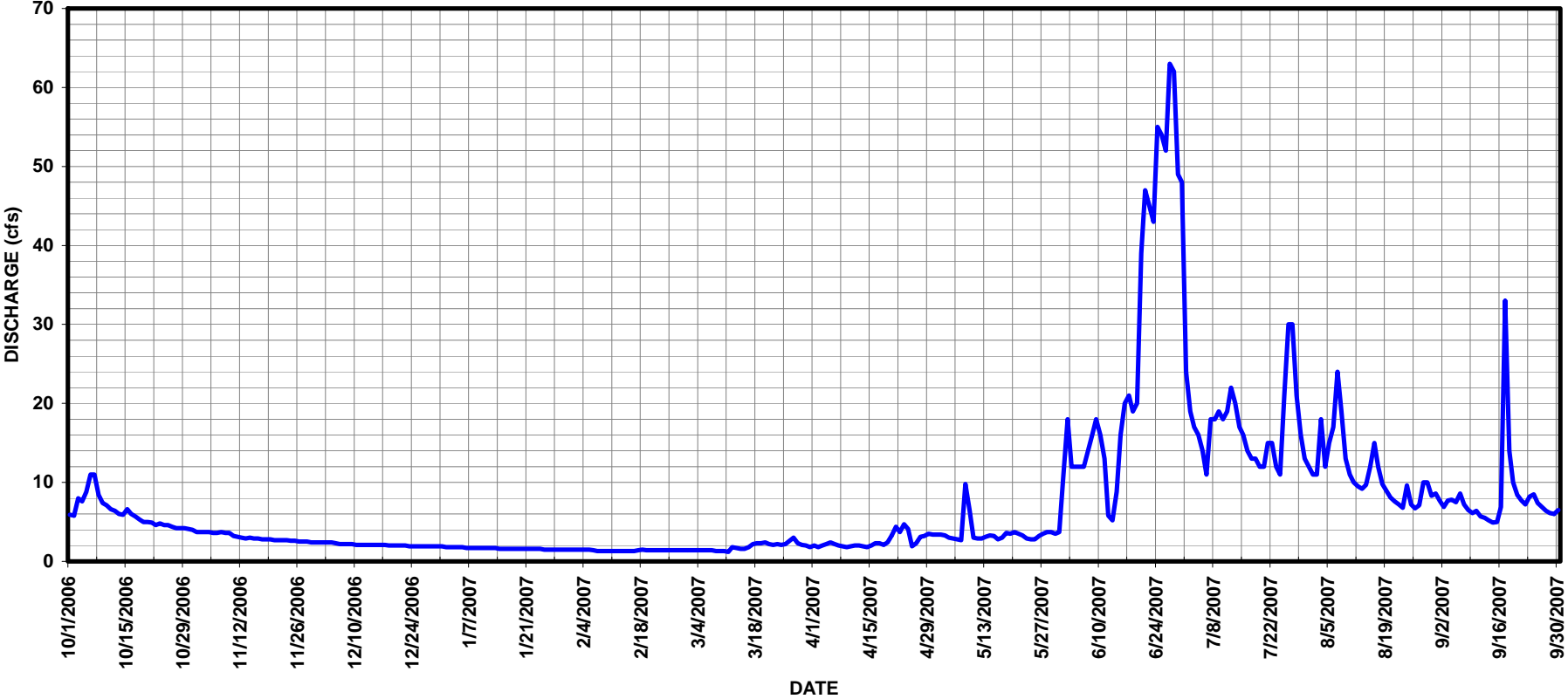
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	3.7	2.4	1.8	1.5	1.4	2.0	3.4	11	24	11	7.7
2	5.8	3.7	2.4	1.8	1.5	1.4	1.8	3.4	18	19	11	6.9
3	8.0	3.7	2.4	1.8	1.5	1.4	2.0	3.3	12	17	18	7.7
4	7.6	3.7	2.4	1.8	1.5	1.4	2.2	3.0	12	16	12	7.8
5	8.8	3.6	2.3	1.8	1.5	1.4	2.4	2.9	12	14	15	7.5
6	11	3.6	2.2	1.7	1.4	1.4	2.2	2.8	12	11	17	8.6
7	11	3.7	2.2	1.7	1.3	1.4	2.0	2.7	14	18	24	7.2
8	8.4	3.6	2.2	1.7	1.3	1.3	1.9	9.8	16	18	19	6.5
9	7.4	3.6	2.2	1.7	1.3	1.3	1.8	6.5	18	19	13	6.1
10	7.1	3.2	2.1	1.7	1.3	1.3	1.9	3.0	16	18	11	6.4
11	6.6	3.1	2.1	1.7	1.3	1.2	2.0	2.9	13	19	10	5.7
12	6.4	3.0	2.1	1.7	1.3	1.8	2.0	2.9	5.8	22	9.5	5.5
13	6.0	2.9	2.1	1.7	1.3	1.7	1.9	3.1	5.2	20	9.2	5.2
14	5.9	3.0	2.1	1.6	1.3	1.6	1.8	3.3	8.8	17	9.7	4.9
15	6.6	2.9	2.1	1.6	1.3	1.6	2.0	3.2	16	16	12	5.0
16	6.0	2.9	2.1	1.6	1.3	1.8	2.3	2.8	20	14	15	6.9
17	5.7	2.8	2.1	1.6	1.4	2.2	2.3	3.0	21	13	12	33
18	5.3	2.8	2.0	1.6	1.5	2.3	2.1	3.6	19	13	9.8	14
19	5.0	2.8	2.0	1.6	1.4	2.3	2.4	3.5	20	12	8.9	10
20	5.0	2.7	2.0	1.6	1.4	2.4	3.3	3.7	39	12	8.1	8.4
21	4.9	2.7	2.0	1.6	1.4	2.2	4.4	3.5	47	15	7.6	7.7
22	4.6	2.7	2.0	1.6	1.4	2.1	3.7	3.3	45	15	7.2	7.2
23	4.8	2.7	1.9	1.6	1.4	2.2	4.7	2.9	43	12	6.8	8.2
24	4.6	2.6	1.9	1.6	1.4	2.1	4.1	2.8	55	11	9.6	8.5
25	4.6	2.6	1.9	1.5	1.4	2.2	1.9	2.8	54	21	7.2	7.4
26	4.4	2.5	1.9	1.5	1.4	2.6	2.3	3.2	52	30	6.7	6.9
27	4.2	2.5	1.9	1.5	1.4	3.0	3.1	3.5	63	30	7.1	6.4
28	4.2	2.5	1.9	1.5	1.4	2.3	3.2	3.7	62	21	10	6.1
29	4.2	2.4	1.9	1.5	---	2.1	3.5	3.7	49	16	10	6.0
30	4.1	2.4	1.9	1.5	---	2.0	3.4	3.5	48	13	8.3	6.5
31	4.0	---	1.9	1.5	---	1.8	---	3.7	---	12	8.6	---
TOTAL	188.1	90.6	64.6	50.7	38.8	57.2	76.6	109.4	826.8	528	344.3	241.9
MEAN	6.07	3.02	2.08	1.64	1.39	1.85	2.55	3.53	27.6	17.0	11.1	8.06
AC-FT	373	180	128	101	77	113	152	217	1640	1050	683	480
MAX	11	3.7	2.4	1.8	1.5	3.0	4.7	9.8	63	30	24	33
MIN	4.0	2.4	1.9	1.5	1.3	1.2	1.8	2.7	5.2	11	6.7	4.9

CAL YR 2006 TOTAL 2742 MEAN 7.51 MAX 87 MIN 1.6 AC-FT 5440
WTR YR 2007 TOTAL 2617 MEAN 7.17 MAX 63 MIN 1.2 AC-FT 5190

MAX DISCH: 74.2 CFS AT 22:45 ON Jun. 27, 2007 GH 3.41 FT. SHIFT 0.07 FT.
MAX GH: 3.41 FT. AT 22:45 ON Jun. 27, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077945 CHAPMAN GULCH NEAR NAST CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼ NW¼ Sec. 21, T8S, R83W in Pitkin County, Hydrologic Unit 14010004. Located on left bank, 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, CO.

DRAINAGE AREA.--42 mi².

GAGE.--Steven's A-35 graphic water-stage recorder in a 42" diameter corrugated metal well. A Synergetics DCP w/satellite monitoring and a shaft encoder operated and maintained by the National Weather Service is also located in the gage. Recorder and shaft encoder are referenced to inside drop tape. Chart recorder malfunctions resulted in replacement with a Sutron stage discharge recorder (SDR) on Aug 22, 2007. Primary record is satellite record, with chart used as backup until Aug 22, 2007, after which the SDR log is the primary record. Control is natural channel at low flows and boulders at high flows. Elevation of gage is 8,330 ft from topographic map.

REMARKS.--Satellite record is complete and reliable from Oct 1-29, 2006. Satellite telemetry was down Oct.30, 2006 to June 21, 2007. Satellite transmissions from June 22 to Sept 30, 2007 were sporadic. Gage heights from the graphic chart recorder were used April 19 to June 1, and also June 8 and July 26. Satellite data were used July 6-9, 12-14, 17-22, 30, and Aug 1. SDR data were used Aug 22 to Sept. 30. Record is good except for period of no gage height record: Oct. 30 to April 18, June 2-7, 9-30, July 1-5, 10-11, 15-16, 23-25, 27-31 and Aug 2-22, which are poor. Station operated by James Kellogg and George Wear and record developed by James Kellogg and Ed Wilson.

RATING TABLE.--FRYNFNCO10 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

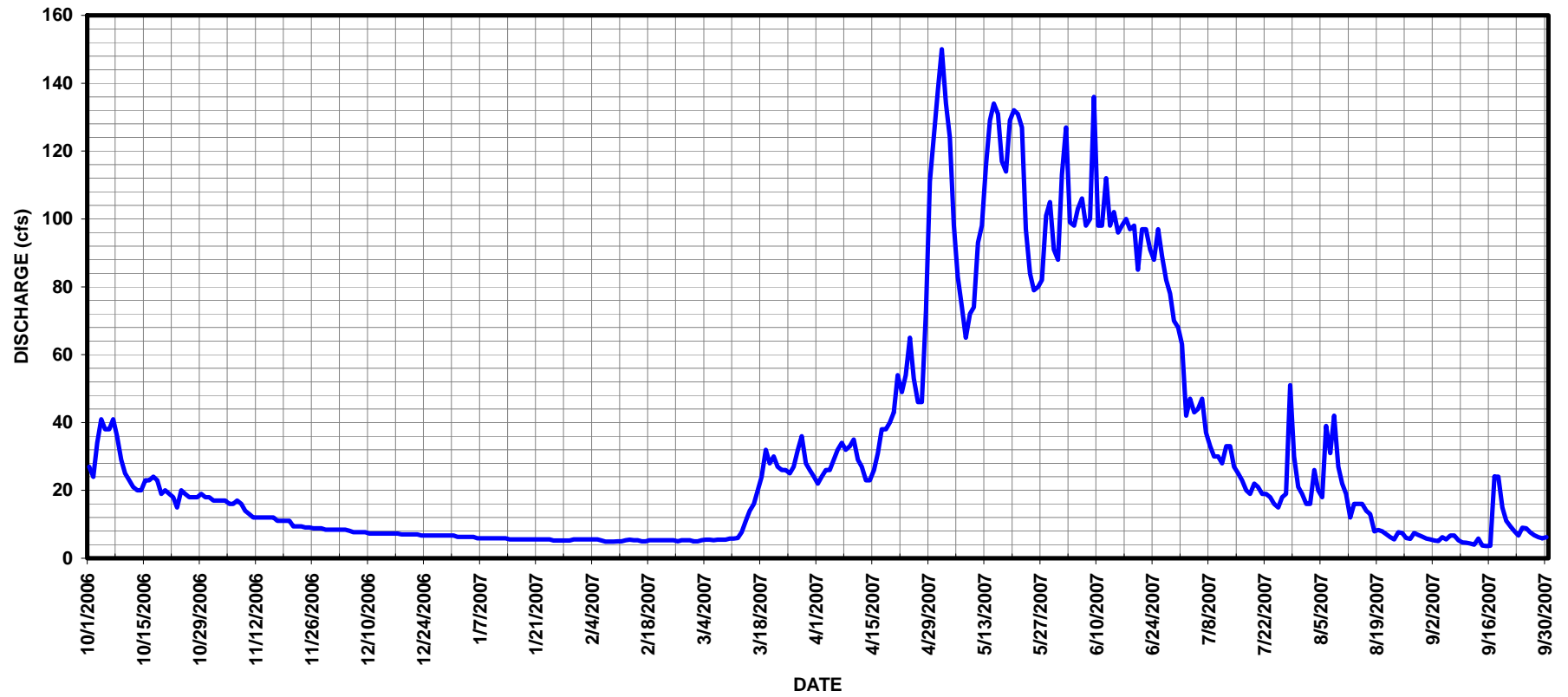
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	17	8.4	6.3	5.6	5.0	22	138	113	63	16	5.6
2	24	17	8.4	6.3	5.6	5.0	24	150	127	42	16	5.2
3	34	17	8.4	6.3	5.6	5.3	26	134	99	47	26	5.1
4	41	17	8.4	6.3	5.6	5.5	26	124	98	43	20	6.2
5	38	16	8.1	6.3	5.6	5.5	29	98	103	44	18	5.6
6	38	16	7.7	5.9	5.2	5.3	32	83	106	47	39	6.7
7	41	17	7.7	5.9	4.9	5.5	34	74	98	37	31	6.7
8	36	16	7.7	5.9	4.9	5.5	32	65	100	33	42	5.3
9	29	14	7.7	5.9	4.9	5.5	33	72	136	30	27	4.7
10	25	13	7.3	5.9	5.0	5.8	35	74	98	30	22	4.6
11	23	12	7.3	5.9	5.0	5.8	29	93	98	28	19	4.3
12	21	12	7.3	5.9	5.3	6.0	27	98	112	33	12	4.0
13	20	12	7.3	5.9	5.5	7.7	23	116	98	33	16	5.8
14	20	12	7.3	5.6	5.3	11	23	129	102	27	16	3.8
15	23	12	7.3	5.6	5.3	14	26	134	96	25	16	3.6
16	23	12	7.3	5.6	5.0	16	31	131	98	23	14	3.7
17	24	11	7.3	5.6	5.0	20	38	117	100	20	13	24
18	23	11	7.0	5.6	5.3	24	38	114	97	19	7.9	24
19	19	11	7.0	5.6	5.3	32	40	129	98	22	8.3	15
20	20	11	7.0	5.6	5.3	28	43	132	85	21	7.9	11
21	19	9.4	7.0	5.6	5.3	30	54	131	97	19	7.1	9.4
22	18	9.4	7.0	5.6	5.3	27	49	127	97	19	6.2	8.0
23	15	9.4	6.7	5.6	5.3	26	54	97	91	18	5.6	6.7
24	20	9.1	6.7	5.6	5.3	26	65	84	88	16	7.7	9.0
25	19	9.1	6.7	5.2	5.0	25	53	79	97	15	7.4	8.8
26	18	8.8	6.7	5.2	5.3	27	46	80	89	18	6.0	7.6
27	18	8.8	6.7	5.2	5.3	32	46	82	82	19	5.7	6.8
28	18	8.8	6.7	5.2	5.3	36	73	101	78	51	7.4	6.2
29	19	8.4	6.7	5.2	---	28	111	105	70	30	6.9	5.9
30	18	8.4	6.7	5.6	---	26	125	91	68	21	6.4	6.2
31	18	---	6.7	5.6	---	24	---	88	---	19	5.8	---
TOTAL	749	365.6	226.2	177.5	147.3	525.4	1287	3270	2919	912	459.3	229.5
MEAN	24.2	12.2	7.30	5.73	5.26	16.9	42.9	105	97.3	29.4	14.8	7.65
AC-FT	1490	725	449	352	292	1040	2550	6490	5790	1810	911	455
MAX	41	17	8.4	6.3	5.6	36	125	150	136	63	42	24
MIN	15	8.4	6.7	5.2	4.9	5.0	22	65	68	15	5.6	3.6

CAL YR	2006	TOTAL	13214.5	MEAN	36.2	MAX	286	MIN	2.7	AC-FT	26210
WTR YR	2007	TOTAL	11267.8	MEAN	30.9	MAX	150	MIN	3.6	AC-FT	22350

MAX DISCH: 178 CFS AT 02:00 ON May 15, 2007 GH 4.07 FT. SHIFT -0.04 FT.
MAX GH: 4.07 FT. AT 02:00 ON May 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09078600 FRYINGPAN RIVER NEAR THOMASVILLE, CO

LOCATION.--Lat 39°20'41", long 106°40'23", in NW¼ NW¼ Sec. 21, T8S, R83W in Pitkin County, Hydrologic Unit 14010004. Located on right bank 400 ft upstream from private bridge, 400 ft downstream from mouth of North Fork Fryingpan River, 1.6 mi southeast of Thomasville, CO, and 1.7 mi northwest of Norrie, CO.

DRAINAGE AREA.--134 mi².

GAGE.--Graphic water-stage recorder and shaft encoder in a standard 42" diameter corrugated metal well with Sutron SatLink high data rate DCP satellite equipment. Recorder and shaft encoder are set by drop tape from a reference point on the instrument shelf. Primary record is satellite data and chart record is used for backup. Control is a 100-ft. wide concrete dam 10 ft. below gage. Elevation of gage is 8,210 ft from topographic map.

REMARKS.--The record is complete and reliable for the year, except for brief periods on the following days: Feb 17, Feb 24, and Apr 1. Gage heights for these periods were obtained from backup chart recorder with no loss in accuracy. Record is good. Transmountain diversions above station occurred through Boustead Tunnel and Busk-Ivanhoe Tunnel. Station operated and record developed by James Kellogg.

RATING TABLE.--FRYTHOCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

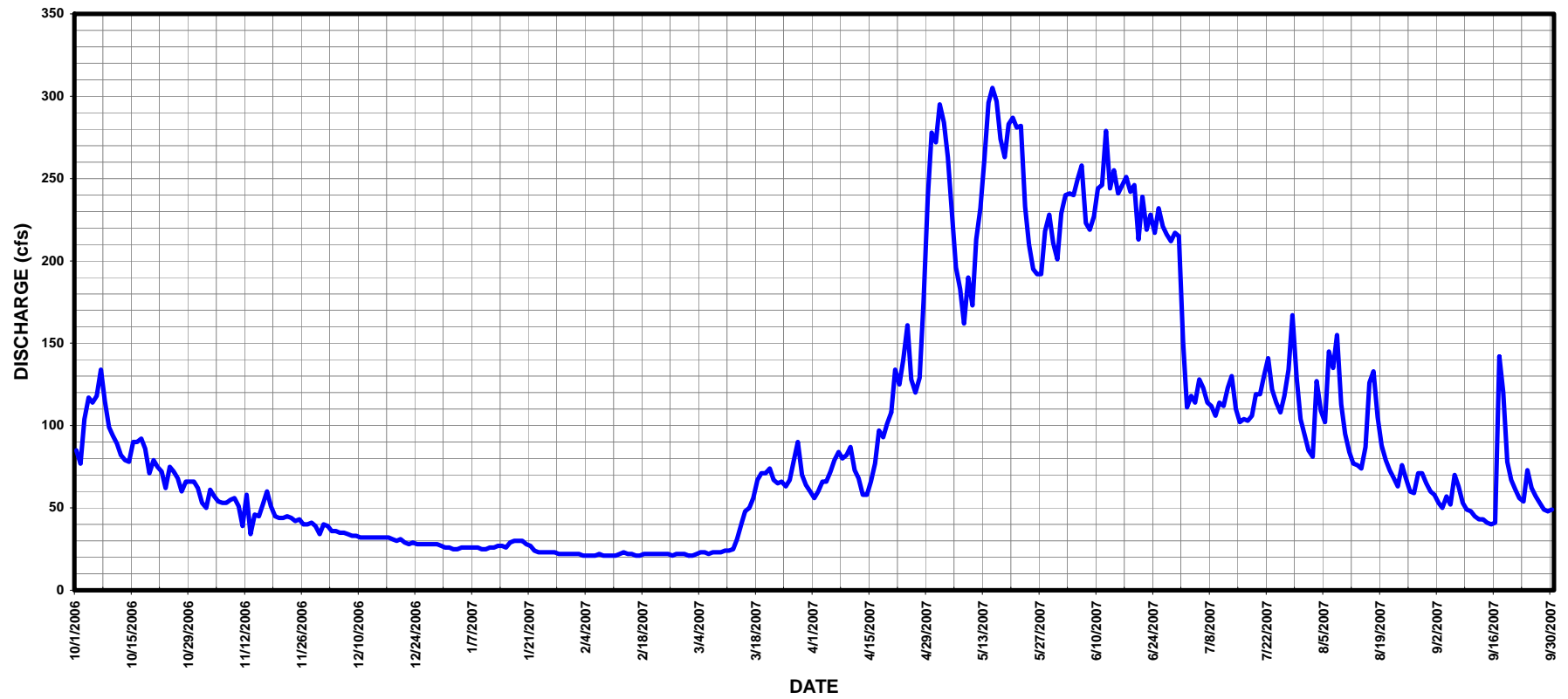
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	53	40	26	22	21	56	272	229	151	85	58
2	77	50	39	25	22	21	60	295	240	111	81	53
3	104	61	36	25	21	22	66	284	241	118	127	50
4	117	57	36	26	21	23	66	263	240	114	109	57
5	114	54	35	26	21	23	72	228	250	128	102	52
6	118	53	35	26	21	22	79	196	258	123	145	70
7	134	53	34	26	22	23	84	183	223	114	135	63
8	115	55	33	26	21	23	80	162	219	112	155	53
9	99	56	33	25	21	23	82	190	227	106	113	49
10	94	51	32	25	21	24	87	173	244	114	95	48
11	89	39	32	26	21	24	73	213	246	112	84	45
12	82	58	32	26	22	25	68	232	279	123	77	43
13	79	34	32	27	23	31	58	261	244	130	76	43
14	78	46	32	27	22	40	58	296	255	110	74	41
15	90	45	32	26	22	48	66	305	241	102	87	40
16	90	52	32	29	21	50	77	297	246	104	126	41
17	92	60	32	30	21	56	97	274	251	103	133	142
18	86	51	31	30	22	67	93	263	242	106	105	120
19	71	45	30	30	22	71	101	283	246	119	88	78
20	79	44	31	28	22	71	108	287	213	119	79	67
21	75	44	29	27	22	74	134	281	239	130	73	61
22	72	45	28	24	22	67	125	282	219	141	68	56
23	62	44	29	23	22	65	140	233	228	122	63	54
24	75	42	28	23	22	66	161	210	217	114	76	73
25	72	43	28	23	21	63	128	195	232	108	68	62
26	68	40	28	23	22	67	120	192	221	118	60	57
27	60	40	28	23	22	79	129	192	216	134	59	53
28	66	41	28	22	22	90	175	218	212	167	71	49
29	66	39	28	22	---	70	238	228	217	129	71	48
30	66	34	27	22	---	64	278	211	215	104	65	49
31	62	---	26	22	---	60	---	201	---	94	60	---
TOTAL	2637	1429	976	789	606	1473	3159	7400	7050	3680	2810	1775
MEAN	85.1	47.6	31.5	25.5	21.6	47.5	105	239	235	119	90.6	59.2
AC-FT	5230	2830	1940	1560	1200	2920	6270	14680	13980	7300	5570	3520
MAX	134	61	40	30	23	90	278	305	279	167	155	142
MIN	60	34	26	22	21	21	56	162	212	94	59	40

CAL YR 2006	TOTAL	39975	MEAN	109.5	MAX	606	MIN	24	AC-FT	79290
WTR YR 2007	TOTAL	33784	MEAN	92.6	MAX	305	MIN	21	AC-FT	67010

MAX DISCH: 358 CFS AT 23:30 ON May 14, 2007 GH 3.03 FT. SHIFT 0.03 FT.
MAX GH: 3.03 FT. AT 23:30 ON May 14, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09078600 FRYINGPAN RIVER NEAR THOMASVILLE CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09080100 FRYINGPAN RIVER AT MEREDITH, CO

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼ SE¼ Sec. 11, T8S, R84W in Eagle County, Hydrologic Unit 14010004. Located on left bank at Meredith, CO, 0.1 mi downstream from Waterbury Creek, 0.7 mi downstream from Jakeman Gulch.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder and shaft encoder in a standard 42" diameter corrugated metal shelter and well. Station is outfitted with Synergetics shaft encoder and DCP satellite equipment operated and maintained by the National Weather Service. Recorder and shaft encoder are set by inside drop tape from an adjustable reference point on the instrument shelf. Primary record is satellite data and chart record is used for backup. Control is natural channel (rock and cobble) at low flows. Channel banks become part of the control at higher flows. Elevation of gage is 7,780 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: November 30, 2006 through March 19, 2007, when gage well was frozen. Numerous DCP transmission errors and resulting incomplete stage data were filled in using chart record without loss of accuracy. Chart record was used for periods May 25 - June 1, 2007, and Aug 8 - Sep 6, 2007. Record is good, except for the period when the well was frozen (11/30/2006 to 3/19/2007), which is considered poor. Transmountain diversions above station occurred through Boustead Tunnel and Busk - Ivanhoe Tunnel. Station maintained by George Wear and James Kellogg. Record developed by Craig Bruner.

RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

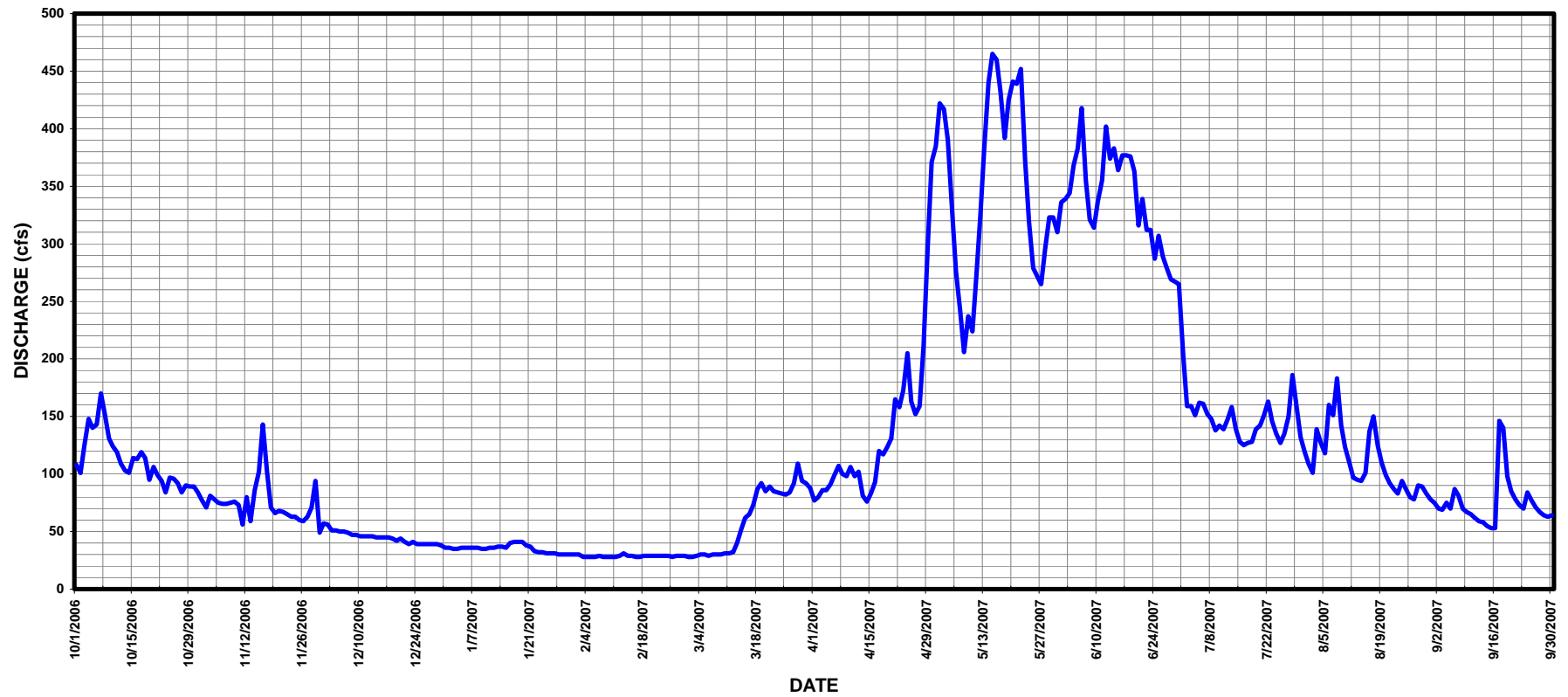
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	77	57	36	30	28	77	385	336	205	109	75
2	101	71	56	35	30	28	80	422	339	159	101	70
3	125	81	51	35	28	29	86	417	344	159	139	69
4	148	78	51	36	28	30	86	390	368	151	127	75
5	140	75	50	36	28	30	91	330	383	162	118	70
6	143	74	50	36	28	29	99	276	418	161	160	87
7	170	74	49	36	29	30	107	242	355	152	151	81
8	152	75	47	36	28	30	100	206	321	148	183	70
9	131	76	47	35	28	30	98	237	314	138	142	67
10	124	73	46	35	28	31	106	224	337	142	123	65
11	119	56	46	36	28	31	98	270	355	139	110	62
12	109	80	46	36	29	32	102	325	402	148	97	59
13	103	59	46	37	31	40	81	384	374	158	95	58
14	101	86	45	37	29	52	76	440	383	139	94	55
15	114	102	45	36	29	62	83	465	364	128	101	53
16	113	143	45	40	28	65	93	460	377	125	137	53
17	119	102	45	41	28	73	120	432	377	127	150	146
18	114	71	44	41	29	87	117	392	376	128	125	140
19	95	66	42	41	29	92	123	425	363	139	110	98
20	106	68	44	38	29	85	131	441	316	142	99	85
21	99	67	41	37	29	89	165	439	339	151	92	78
22	94	65	39	33	29	85	158	452	312	163	87	73
23	84	63	41	32	29	84	173	373	312	146	83	70
24	97	63	39	32	29	83	205	319	287	135	94	84
25	96	60	39	31	28	82	163	279	307	127	87	77
26	92	59	39	31	29	84	152	272	289	135	80	71
27	84	63	39	31	29	92	159	265	279	150	78	67
28	90	71	39	30	29	109	211	295	269	186	90	64
29	89	94	39	30	---	94	298	323	267	158	89	63
30	89	49	38	30	---	92	371	323	265	132	83	64
31	84	---	36	30	---	88	---	310	---	119	78	---
TOTAL	3433	2241	1381	1086	805	1896	4009	10813	10128	4552	3412	2249
MEAN	111	74.7	44.5	35.0	28.7	61.2	134	349	338	147	110	75.0
AC-FT	6810	4450	2740	2150	1600	3760	7950	21450	20090	9030	6770	4460
MAX	170	143	57	41	31	109	371	465	418	205	183	146
MIN	84	49	36	30	28	28	76	206	265	119	78	53

CAL YR	2006	TOTAL	55052	MEAN	151	MAX	862	MIN	35	AC-FT	109200
WTR YR	2007	TOTAL	46005	MEAN	126	MAX	465	MIN	28	AC-FT	91250

MAX DISCH: 534 CFS AT 02:00 ON May. 15, 2007 GH 3.41 FT. SHIFT -0.02 FT.
MAX GH: 3.41 FT. AT 02:00 ON May. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09080100 FRYINGPAN RIVER AT MEREDITH CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼ NW¼ Sec. 18, T8S, R84W in Pitkin County, Hydrologic Unit 14010004. Located on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, CO.

DRAINAGE AREA.--12.3 mi².

GAGE.--Steven's A-35 graphic water-stage recorder and shaft encoder in standard 42" corrugated metal shelter and well in stream. Shaft encoder is hardwired to DCP in control house on Ruedi Dam, allowing satellite transmission. Satellite monitoring equipment owned and maintained by USBR. Recorder and shaft encoder are set by inside drop tape from an adjustable reference point on the instrument shelf. Primary record is satellite data and chart record is used for backup. Control is 38-ft. wide, v-notch, sharp crested weir. Elevation of gage is 7,494.50 ft.

REMARKS.--Record is complete and reliable, except for periods when the well was frozen: Nov 15, 2006 through Mar 9, 2007. Record is good, except for the winter period when the well was frozen, which is considered poor. There are no diversions above the station. Station maintained by Division 5 staff and record developed by Craig Bruner.

RATING TABLE.--RFCMERC002 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

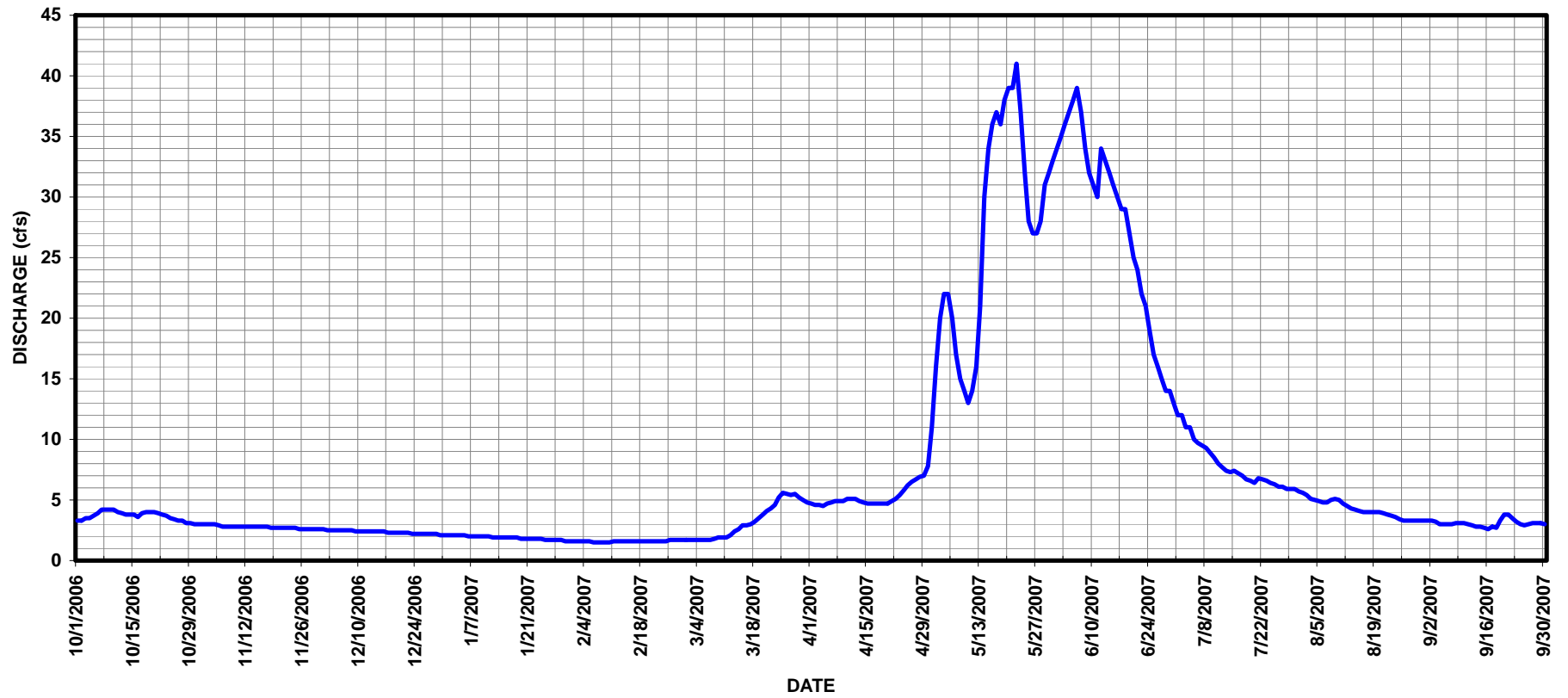
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.0	2.6	2.1	1.6	1.7	4.7	11	34	12	5.6	3.3
2	3.3	3.0	2.5	2.1	1.6	1.7	4.6	16	35	12	5.4	3.3
3	3.5	3.0	2.5	2.1	1.6	1.7	4.6	20	36	11	5.1	3.2
4	3.5	3.0	2.5	2.1	1.6	1.7	4.5	22	37	11	5.0	3.0
5	3.7	2.9	2.5	2.1	1.6	1.7	4.7	22	38	10	4.9	3.0
6	3.9	2.8	2.5	2.0	1.5	1.7	4.8	20	39	9.7	4.8	3.0
7	4.2	2.8	2.5	2.0	1.5	1.7	4.9	17	37	9.5	4.8	3.0
8	4.2	2.8	2.5	2.0	1.5	1.8	4.9	15	34	9.3	5.0	3.1
9	4.2	2.8	2.4	2.0	1.5	1.9	4.9	14	32	8.9	5.1	3.1
10	4.2	2.8	2.4	2.0	1.5	1.9	5.1	13	31	8.5	5.0	3.1
11	4.0	2.8	2.4	2.0	1.6	1.9	5.1	14	30	8.0	4.7	3.0
12	3.9	2.8	2.4	1.9	1.6	2.1	5.1	16	34	7.7	4.5	2.9
13	3.8	2.8	2.4	1.9	1.6	2.4	4.9	21	33	7.4	4.3	2.8
14	3.8	2.8	2.4	1.9	1.6	2.6	4.8	30	32	7.3	4.2	2.8
15	3.8	2.8	2.4	1.9	1.6	2.9	4.7	34	31	7.4	4.1	2.7
16	3.6	2.8	2.4	1.9	1.6	2.9	4.7	36	30	7.2	4.0	2.6
17	3.9	2.8	2.3	1.9	1.6	3.0	4.7	37	29	7.0	4.0	2.8
18	4.0	2.7	2.3	1.9	1.6	3.2	4.7	36	29	6.7	4.0	2.7
19	4.0	2.7	2.3	1.8	1.6	3.5	4.7	38	27	6.6	4.0	3.3
20	4.0	2.7	2.3	1.8	1.6	3.8	4.7	39	25	6.4	4.0	3.8
21	3.9	2.7	2.3	1.8	1.6	4.1	4.9	39	24	6.8	3.9	3.8
22	3.8	2.7	2.3	1.8	1.6	4.3	5.1	41	22	6.7	3.8	3.5
23	3.7	2.7	2.2	1.8	1.6	4.6	5.4	37	21	6.6	3.7	3.2
24	3.5	2.7	2.2	1.8	1.6	5.2	5.8	32	19	6.4	3.6	3.0
25	3.4	2.6	2.2	1.7	1.7	5.6	6.2	28	17	6.3	3.4	2.9
26	3.3	2.6	2.2	1.7	1.7	5.5	6.5	27	16	6.1	3.3	3.0
27	3.3	2.6	2.2	1.7	1.7	5.4	6.7	27	15	6.1	3.3	3.1
28	3.1	2.6	2.2	1.7	1.7	5.5	6.9	28	14	5.9	3.3	3.1
29	3.1	2.6	2.2	1.7	---	5.2	7.0	31	14	5.9	3.3	3.1
30	3.0	2.6	2.1	1.6	---	5.0	7.8	32	13	5.9	3.3	3.0
31	3.0	---	2.1	1.6	---	4.8	---	33	---	5.7	3.3	---
TOTAL	113.9	83.0	72.7	58.3	44.7	101.0	158.1	826	828	242.0	130.7	92.2
MEAN	3.67	2.77	2.35	1.88	1.60	3.26	5.27	26.6	27.6	7.81	4.22	3.07
AC-FT	226	165	144	116	89	200	314	1640	1640	480	259	183
MAX	4.2	3.0	2.6	2.1	1.7	5.6	7.8	41	39	12	5.6	3.8
MIN	3.0	2.6	2.1	1.6	1.5	1.7	4.5	11	13	5.7	3.3	2.6
CAL YR 2006	TOTAL	2878.7	MEAN	7.89	MAX	61	MIN	1.6	AC-FT	5710		
WTR YR 2007	TOTAL	2750.6	MEAN	7.54	MAX	41	MIN	1.5	AC-FT	5460		

MAX DISCH: 42.6 CFS AT 23:30 ON May. 21, 2007 GH 1.20 FT. SHIFT 0.04 FT.

MAX GH: 1.20 FT. AT 23:30 ON May. 21, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09080300 ROCKY FORK CREEK NEAR MEREDITH CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN

CRYSTAL RIVER AT DOW FISH HATCHERY NEAR CARBONDALE, CO

LOCATION.--Lat 39° 22'38'', long 107° 12'17'' in SW1/4 NE1/4 Sec. 10, T8S, R88W in Garfield County. Located on right bank of Crystal River, at upstream side of County Road 118 bridge, and 0.75 mi. below confluence with Prince Creek.

DRAINAGE AREA.--N/A.

GAGE.--Sutron Model 5600 Accububble sensor and Sutron SatLink 2 data collection platform (DCP) housed in 2'-0" rectangular steel shelter. Accububble sensor is referenced to a drop tape to water surface from outside reference points on county bridge railing. Primary record is satellite data, with the DCP log used as a backup.

REMARKS.--Fifteen minute satellite data were used to develop record. The record is complete for the period of operation. The record is reliable except for the following periods: May 1-13 due to orifice line plugging; July 16, 2007 due to orifice line repairs; May 15, 16, 23, 24, 28-31; June 16, 23, 24, 30; July 2-15, 23, 27-28; August 3, 30-31; Sep 2, 11, 13, 14, 25-30, 2007 due to abrupt high and low spikes in the accububble gage height record. Record is fair, except for periods of estimated daily discharge and erratic accububbler performance, which are poor. The gage is operated on a seasonal basis (Apr 1 - Oct 31 only). The gage was started in operation in late October 2006. WY2007 is the first year to publish this record. Gaging station operated and maintained by James Kellogg. Discharge record was developed by James Kellogg and Tom Ley.

RATING TABLE.--CRYDOWCO04 USED FROM 01-APR-2007 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	293	1200	1360	455	131	57
2	---	---	---	---	---	---	287	1290	1470	412	122	55
3	---	---	---	---	---	---	286	1270	1670	381	115	56
4	---	---	---	---	---	---	299	1170	1670	348	112	59
5	---	---	---	---	---	---	344	890	1850	330	104	57
6	---	---	---	---	---	---	370	680	1710	301	233	67
7	---	---	---	---	---	---	404	540	1110	272	181	62
8	---	---	---	---	---	---	420	460	855	267	141	51
9	---	---	---	---	---	---	403	460	838	237	121	46
10	---	---	---	---	---	---	407	510	1080	213	108	45
11	---	---	---	---	---	---	354	710	1290	209	102	45
12	---	---	---	---	---	---	331	1110	1490	215	90	38
13	---	---	---	---	---	---	306	1470	1240	237	81	30
14	---	---	---	---	---	---	283	1780	1280	209	82	29
15	---	---	---	---	---	---	286	1550	1370	233	96	29
16	---	---	---	---	---	---	317	1760	1500	234	112	29
17	---	---	---	---	---	---	339	1530	1540	164	137	340
18	---	---	---	---	---	---	328	1520	1350	156	96	222
19	---	---	---	---	---	---	330	1660	1110	172	88	116
20	---	---	---	---	---	---	362	1780	1030	257	79	80
21	---	---	---	---	---	---	423	1650	987	221	73	68
22	---	---	---	---	---	---	405	1610	916	198	70	59
23	---	---	---	---	---	---	402	1190	812	278	68	276
24	---	---	---	---	---	---	396	940	799	207	69	367
25	---	---	---	---	---	---	354	767	736	191	65	214
26	---	---	---	---	---	---	336	708	640	212	62	157
27	---	---	---	---	---	---	350	786	632	239	58	129
28	---	---	---	---	---	---	451	1140	594	284	60	113
29	---	---	---	---	---	---	645	1490	543	201	60	107
30	---	---	---	---	---	---	901	1230	493	163	62	105
31	---	---	---	---	---	---	---	1220	---	143	60	---
TOTAL	---	---	---	---	---	---	11412	36071	33965	7639	3038	3108
MEAN	---	---	---	---	---	---	380	1164	1132	246	98.0	104
AC-FT	---	---	---	---	---	---	22640	71550	67370	15150	6030	6160
MAX	---	---	---	---	---	---	901	1780	1850	455	233	367
MIN	---	---	---	---	---	---	283	460	493	143	58	29

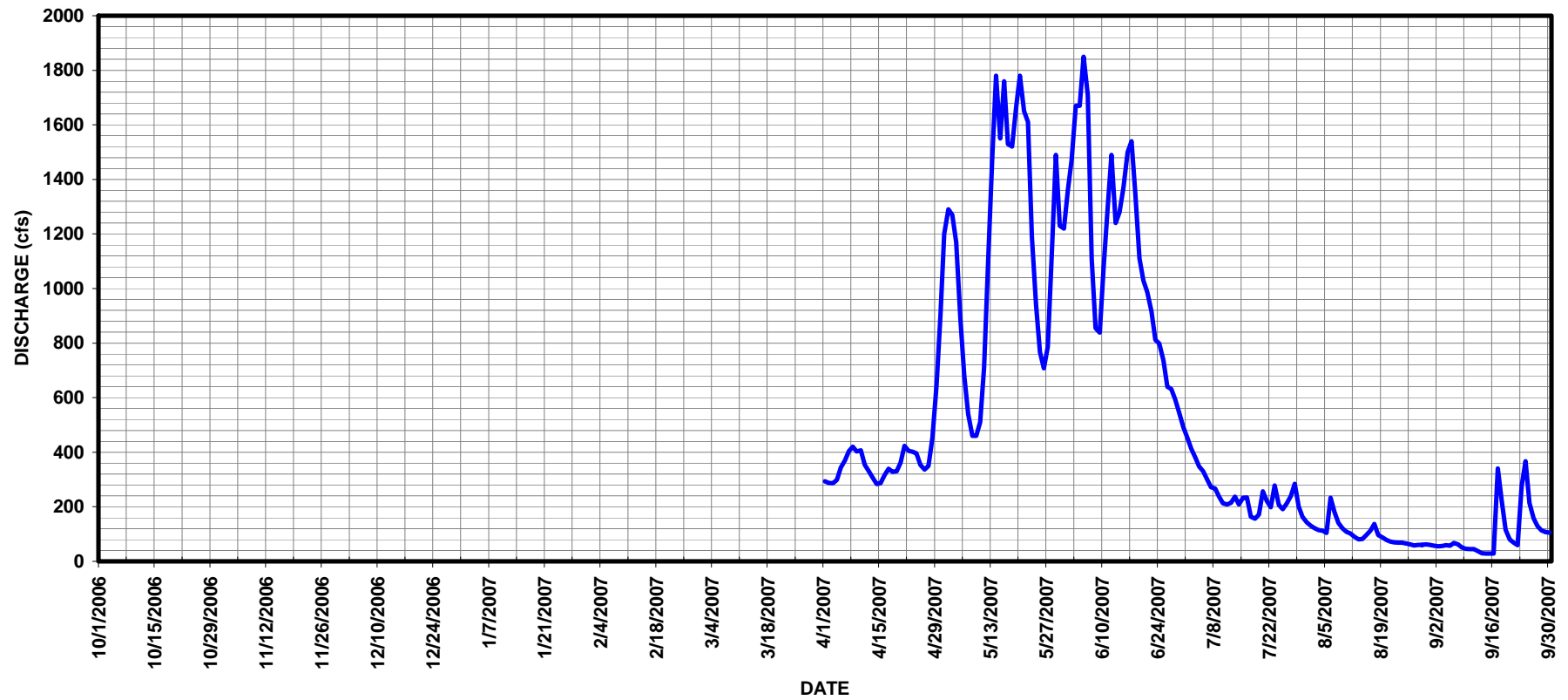
WTR YR 2007 TOTAL 95233 MEAN 520 MAX 1850 MIN 29 AC-FT 188900 (PARTIAL YEAR RECORD)

MAX DAILY DISCH: 1850 CFS ON JUN 5, 2007

MAX GH: NOT DETERMINED (OCCURRED DURING PERIOD OF ESTIMATED RECORD)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CRYSTAL RIVER AT DOW FISH HATCHERY NEAR CARBONDALE CO
WY2007 HYDROGRAPH



ROARING FORK RIVER BASIN
WEST DIVIDE CREEK NEAR RAVEN, CO

LOCATION.--Lat 39° 19'52", long 107° 34'46" in NE1/4 SW1/4 Sec. 29, T8S, R91W, Hydrologic Unit 14010004 in Mesa County. Station is on left bank about 5 ft downstream of private road bridge, 0.8 mi upstream of Brook Creek, 8 mi south of Raven, and 16 mi south of Silt.

DRAINAGE AREA.-- 64.6 mi². October 1955 to September 1999. Beginning October 1999, station operated seasonally by USGS. Seasonal operation of gage by Colorado Division of Water Resources began in November 2005. Gage at same site and datum since establishment.

GAGE.--Model 5600 Accububble sensor in corrugated metal shelter on 42" diameter stilling well. Data collection platform (DCP) is a Sutron SatLink 2 in external box. Well intake pipes are isolated from the stream during low stages. Accububble is referenced by drop tape from outside reference point on adjacent bridge and inside adjustable reference point on the edge of the instrument shelf (when well not isolated from stream). Construction of an outside cantilever chain gage was begun in Sep 2007. Satellite data is primary record.

REMARKS.--The gage is operated seasonally and was operated from April 1 through September 30, 2007. Record is complete and reliable for the period of operation except for: Apr. 1-2, 2007: no gage height record; May 21-31, and June 1-8, 2007: bubbler performance was erratic. The muffler was repaired on 7/11/2007. Record is good, except for periods of no gage height record, April 1-2, and estimated periods, May 21-31, and Jun 1-8, which are rated poor. Record includes trans-basin water diverted from Thompson Creek, Clear Fork, and Owens Creek. Station was maintained by James Kellogg and Craig Bruner and record was developed by James Kellogg and Craig Bruner. Diversion records were maintained by Steve Trexel.

RATING TABLE.--WSDRAVCO14 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	41	156	119	7.8	2.7	1.2
2	---	---	---	---	---	---	50	173	117	3.3	2.2	.93
3	---	---	---	---	---	---	59	153	117	2.3	2.2	.69
4	---	---	---	---	---	---	61	163	115	2.6	3.1	.71
5	---	---	---	---	---	---	85	161	106	1.3	2.3	.85
6	---	---	---	---	---	---	91	132	105	1.3	5.2	1.3
7	---	---	---	---	---	---	100	108	103	1.7	5.2	1.1
8	---	---	---	---	---	---	100	116	103	1.8	3.1	.78
9	---	---	---	---	---	---	98	124	79	2.8	2.0	.57
10	---	---	---	---	---	---	98	128	39	5.0	1.5	.46
11	---	---	---	---	---	---	77	165	51	6.9	1.3	.42
12	---	---	---	---	---	---	73	244	102	4.6	1.4	.34
13	---	---	---	---	---	---	64	329	55	1.8	1.6	.29
14	---	---	---	---	---	---	59	187	44	5.7	1.5	.23
15	---	---	---	---	---	---	64	275	56	3.3	1.9	.25
16	---	---	---	---	---	---	72	399	60	2.5	2.6	.25
17	---	---	---	---	---	---	75	407	62	2.7	5.7	3.0
18	---	---	---	---	---	---	68	137	56	2.7	6.7	3.9
19	---	---	---	---	---	---	71	140	46	2.6	1.3	1.8
20	---	---	---	---	---	---	73	187	39	1.1	6.9	1.1
21	---	---	---	---	---	---	76	176	27	4.9	3.0	.80
22	---	---	---	---	---	---	65	172	28	3.5	2.0	.70
23	---	---	---	---	---	---	63	173	24	2.9	1.5	8.4
24	---	---	---	---	---	---	57	172	15	2.8	1.8	.23
25	---	---	---	---	---	---	47	137	12	3.4	1.6	9.7
26	---	---	---	---	---	---	46	112	9.8	1.8	1.1	5.7
27	---	---	---	---	---	---	48	106	5.6	1.2	1.4	4.2
28	---	---	---	---	---	---	62	115	10	1.1	3.6	3.3
29	---	---	---	---	---	---	152	116	8.4	6.8	2.2	2.7
30	---	---	---	---	---	---	192	123	6.1	4.4	1.5	2.8
31	---	---	---	---	---	---	---	128	---	3.4	1.3	---
TOTAL	---	---	---	---	---	---	2287	5414	1719.9	163.0	93.1	81.47
MEAN	---	---	---	---	---	---	76.2	175	57.3	5.26	3.00	2.72
AC-FT	---	---	---	---	---	---	4540	10740	3410	323	185	162
MAX	---	---	---	---	---	---	192	407	119	18	13	23
MIN	---	---	---	---	---	---	41	106	5.6	1.3	1.1	.23

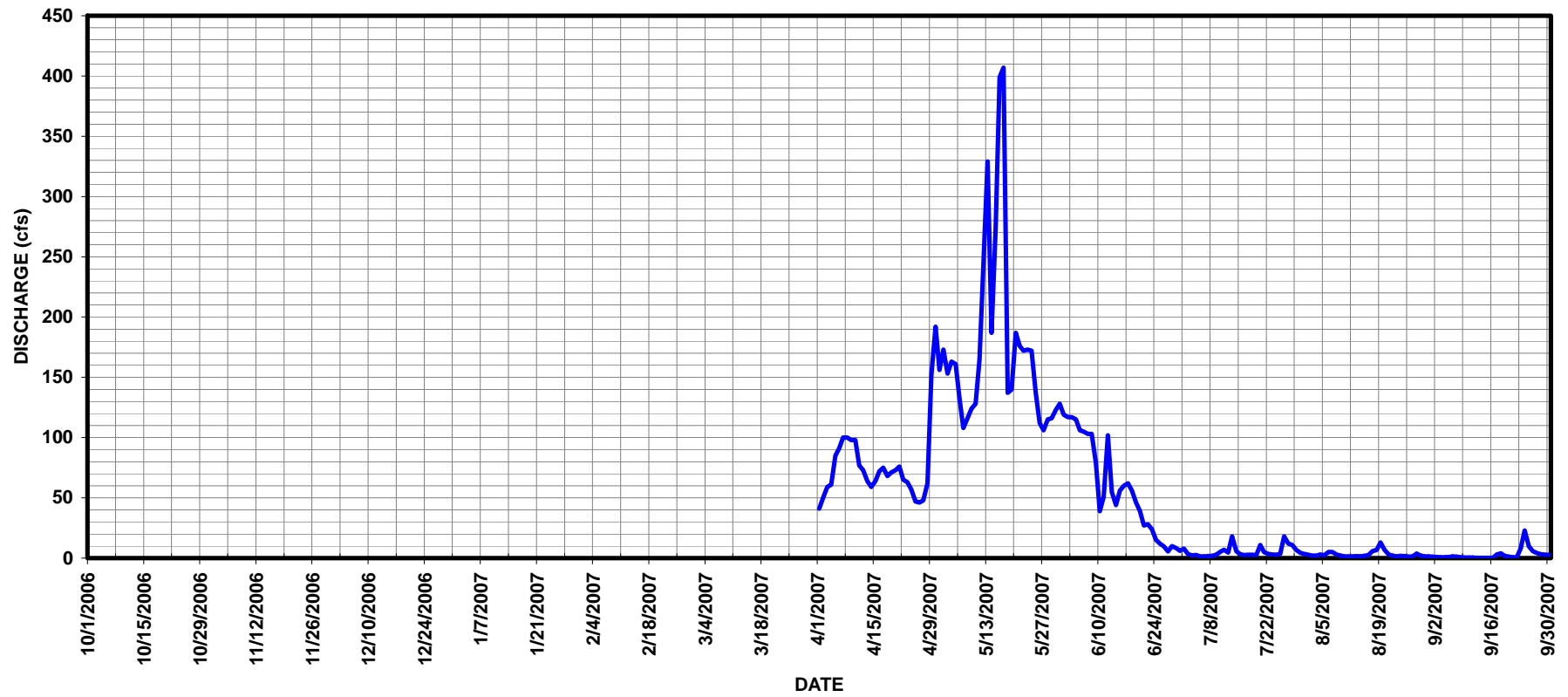
WTR YR 2007 TOTAL 9758.47 MEAN 53.3 MAX 407 MIN .23 AC-FT 19360 (PARTIAL YEAR RECORD)

MAX DISCH: 535 CFS AT 05:15 ON May. 17, 2007 GH 4.48 FT. SHIFT .01 FT.

MAX GH: 4.97 FT. AT 05:15 ON May. 17, 2007 (DATUM CORR. -0.49 FT)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WEST DIVIDE CREEK NEAR RAVEN CO
WY2007 HYDROGRAPH



YAMPA RIVER BASIN

YAMPA RIVER ABOVE LAKE CATAMOUNT, CO

LOCATION.--Lat. 40°20'27", long. 106°48'29", (Blacktail Mountain, Colorado Quadrangle), SE1/4,SE1/4 in Section 33, T5N, R84W of the Sixth Principal Meridian in Routt County, at County Road 18C bridge.

DRAINAGE AREA.--361 sq mi (from topographic maps).

PERIOD OF RECORD.--Spot records from staff gage installed at current site and datum kept from April 1989 to October 2003 with some record dating back to 1978. Continuous records kept from October 2003 to present.

GAGE.--High data rate Sutron Satlink logger with satellite telemetry and shaft encoder housed in a 42-inch diameter corrugated metal pipe shelter and stilling well. Stilling well equipped with two 1.5-inch intakes connected to risers. Shaft encoder referenced to inside staff gage (0.00 to 6.66 feet) located on the inside wall of the well. Approximate elevation of gage is 6880 ft (from topographic map).

REMARKS.--Primary record is hourly data developed from the DCP data log of 15-minute observations. Continuous gage height records were kept from October 1, 2006 to September 30, 2007. The record is complete and reliable except for the following days: November 30, 2006; December 1-11, 19, 21-25, and 30-31, 2006; January 1-3, 6-11, and 13-31, 2007; February 1-4, 2007; and, March 1-5, 2007 due to possible ice effect. The record is good, except for the periods of ice effect, during which flows were estimated. These data points are considered poor. Station maintained and record developed by Jean Ray.

RATING TABLE.--YAMABVCO10 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

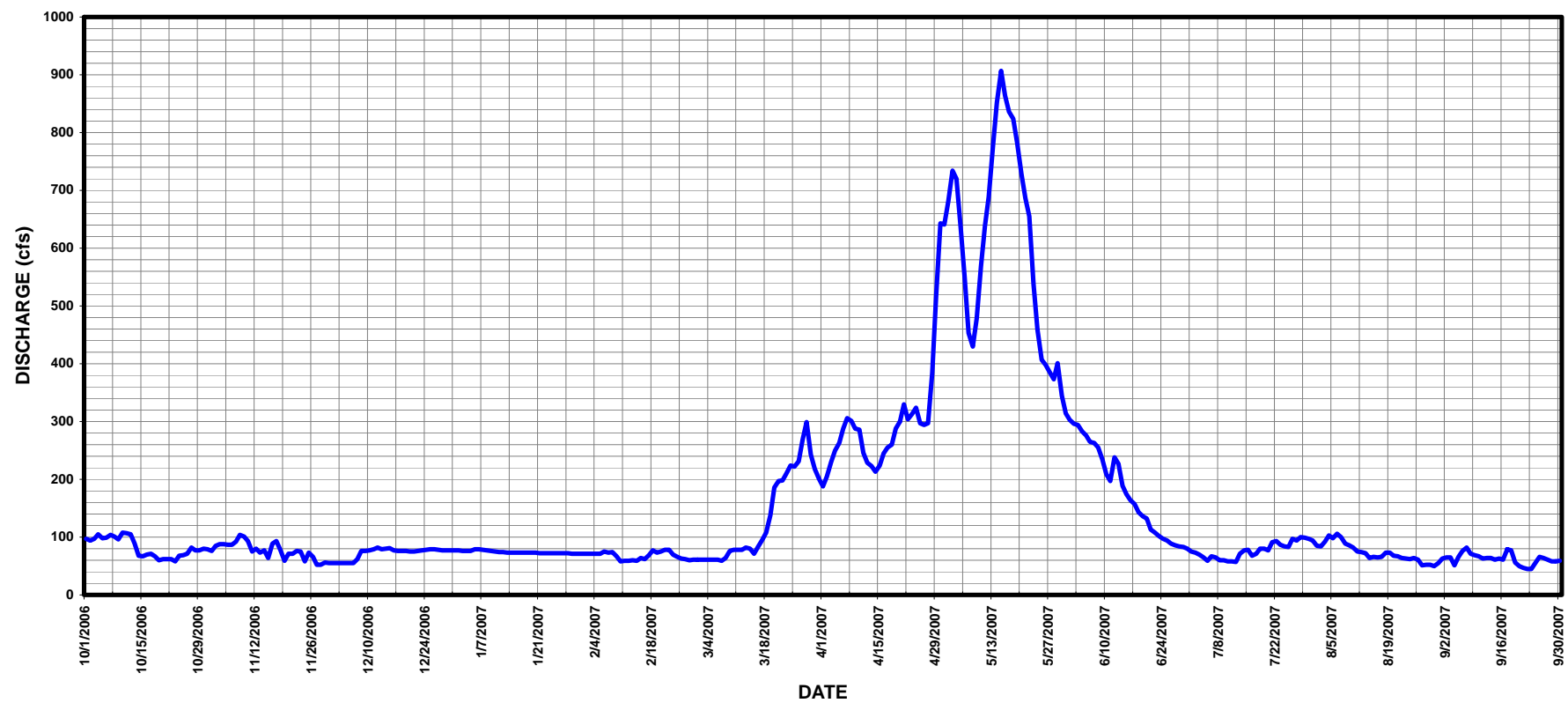
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	76	55e	77e	71e	61e	188	641	303	75	85	63
2	94	85	55e	76e	71e	61e	205	681	296	73	84	65
3	97	88	55e	76e	71e	61e	230	734	294	70	92	65
4	105	88	55e	76	71e	61e	250	720	283	65	103	51
5	98	87	55e	79	71	61e	263	635	276	59	98	66
6	99	87	55e	79e	75	61	288	550	265	67	106	76
7	104	92	62e	78e	73	59	306	453	263	65	100	82
8	101	104	76e	77e	74	64	301	430	255	60	89	71
9	96	101	76e	76e	67	76	288	479	234	60	86	69
10	108	93	77e	75e	58	78	286	569	209	58	82	67
11	107	75	79e	74e	59	78	246	638	197	58	75	63
12	105	80	82	74	59	78	229	689	238	57	74	64
13	89	73	79	73e	60	82	223	776	227	71	72	64
14	68	77	80	73e	59	80	213	852	189	77	64	61
15	67	64	81	73e	64	71	224	907	174	78	66	63
16	70	89	77	73e	62	84	245	864	164	68	65	61
17	71	93	76	73e	69	95	255	836	157	71	66	79
18	67	78	76	73e	77	108	260	824	143	80	73	77
19	60	59	76e	73e	73	138	288	782	136	80	73	56
20	62	71	75	73e	75	186	300	729	132	77	68	50
21	62	71	75e	72e	78	197	330	687	113	91	67	47
22	62	76	76e	72e	78	198	304	655	108	93	64	45
23	58	75	77e	72e	70	210	313	538	102	87	63	45
24	68	58	78e	72e	66	224	324	459	97	84	62	55
25	69	73	79e	72e	63	222	297	407	94	83	64	66
26	71	66	79	72e	62	231	294	398	89	97	61	64
27	82	52	78	72e	60	269	297	386	86	94	51	61
28	77	52	77	72e	61	299	384	373	84	100	52	58
29	77	56	77	71e	---	243	519	401	83	99	52	58
30	80	55e	77e	71e	---	218	643	345	80	97	50	59
31	79	---	77e	71e	---	201	---	314	---	94	55	---
TOTAL	2550	2294	2252	2290	1897	4155	8793	18752	5371	2388	2262	1871
MEAN	82.3	76.5	72.6	73.9	67.7	134	293	605	179	77.0	73.0	62.4
AC-FT	5060	4550	4470	4540	3760	8240	17440	37190	10650	4740	4490	3710
MAX	108	104	82	79	78	299	643	907	303	100	106	82
MIN	58	52	55	71	58	59	188	314	80	57	50	45

CAL YR	2006	TOTAL	78078	MEAN	214	MAX	1810	MIN	50	AC-FT	154900
WTR YR	2007	TOTAL	54875	MEAN	150	MAX	907	MIN	45	AC-FT	108800

MAX DISCH: 1010 CFS AT 00:00 ON May 15, 2007 GH 4.05 FT. SHIFT -0.03 FT.
MAX GH: 4.15 FT. (ICE-AFFECTED) AT 11:30 ON Feb. 3, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e=estimated

YAMPA RIVER ABOVE LAKE CATAMOUNT CO
WY2007 HYDROGRAPH



YAMPA RIVER BASIN

09238500 WALTON CREEK NEAR STEAMBOAT SPRINGS, CO

LOCATION.--Lat. 40°24'29", long. 106°47'11", (Steamboat Springs, Colorado, Quad., scale, 1:24,000), in SW1/4 of the NW1/4, in Section 11, T5N, R84W, (projected), Routt County, on left bank 0.4 miles downstream from Beaver Creek, 0.6 miles downstream from Storm King Creek, 4.5 miles upstream from its confluence with the Yampa River, and 6.0 miles southeast of Steamboat Springs.

DRAINAGE AREA.--42.4 sq mi (from topographic maps)

PERIOD OF RECORD.--1920 to 1922, State Engineer's Office; re-established 0.2 mile upstream 1965 to 1973, by USGS; re-established 1982 to 1987 by USGS at same datum; re-established by the State Engineer's Office in October of 1995, at the same datum as the USGS.

GAGE.--Stevens A-71 water stage recorder and Sutron 8200A data collection platform (DCP) with shaft encoder housed in a 6-ft by 42-inch corrugated metal shelter on a 6-ft by 42-inch metal well. Control is a concrete weir across stream. Approximate elevation of gage is 7,050 ft (from topographic map).

REMARKS.--Primary record is 15-minute data from the DCP with chart backup. Continuous gage height records were kept from October 1 to November 1, 2006 and April 25 to September 30, 2007. Gage height record was estimated between November 2-8, 2006. Records were not kept during the winter period (November 9, 2006 to April 24, 2007), due to site accessibility and frozen channel issues. The record is complete, reliable, and good, except for: November 2-8, 2006 and April 25-27, 2007, which were ice affected, and flows were estimated using adjacent good data and temperature data, and are considered poor; and April 25 to June 23, 2007, which are considered fair to poor, and are periods when flows exceeded twice the highest measurement. This period also covers the time occurrence of the peak discharge, which is considered poor. Station maintained and record developed by Jean Ray.

RATING TABLE.--WLTNCKC008 USED FROM 01-OCT-2006 TO 30-SEP-2007

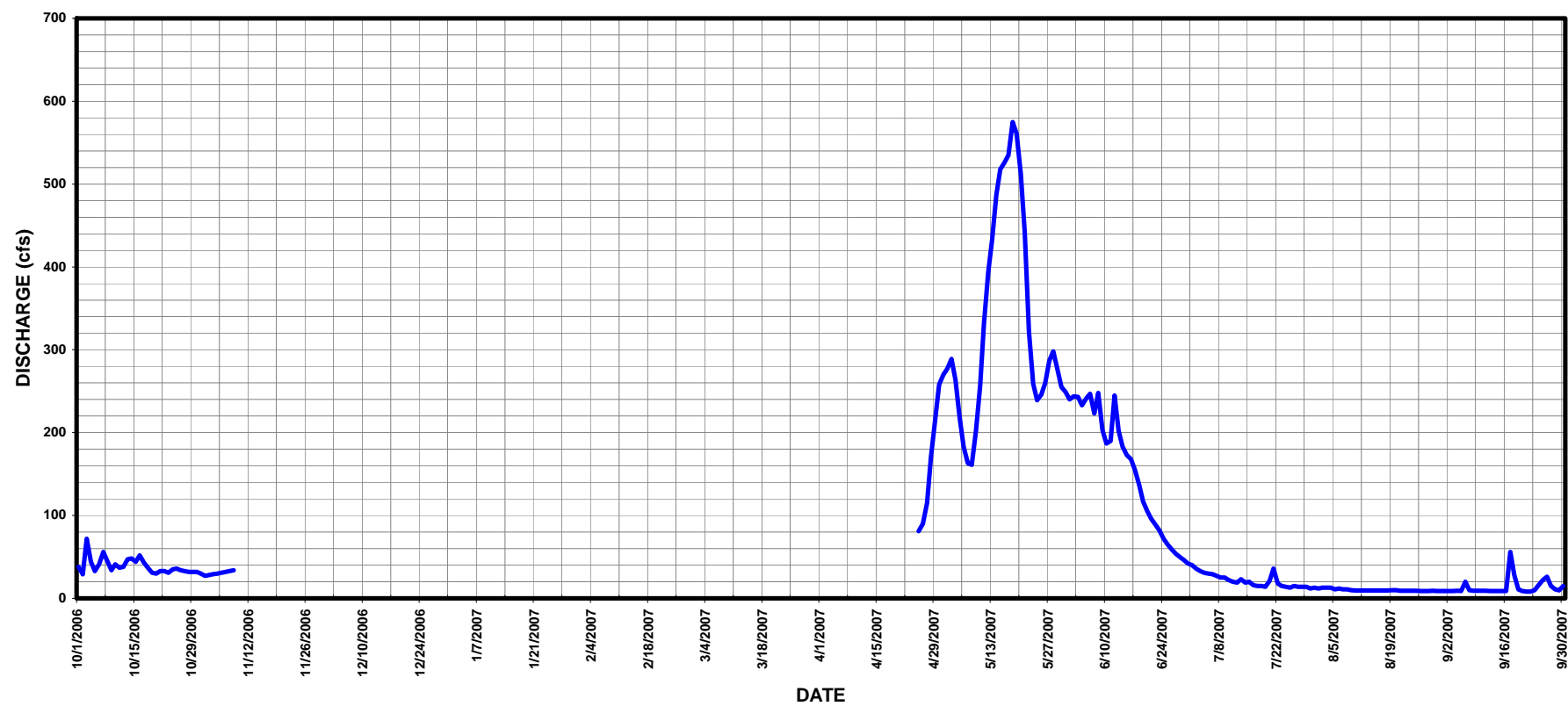
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	27	---	---	---	---	---	270	240	40	12	8.7
2	29	28e	---	---	---	---	---	277	244	36	13	8.7
3	72	29e	---	---	---	---	---	289	243	33	13	8.7
4	44	30e	---	---	---	---	---	264	233	31	13	9.0
5	33	31e	---	---	---	---	---	218	241	30	11	8.8
6	41	32e	---	---	---	---	---	183	247	29	12	20
7	56	33e	---	---	---	---	---	163	223	27	11	10
8	45	34e	---	---	---	---	---	161	248	25	11	9.2
9	34	---	---	---	---	---	---	202	203	25	10	9.2
10	41	---	---	---	---	---	---	257	187	22	9.6	9.2
11	37	---	---	---	---	---	---	332	190	20	9.6	9.0
12	38	---	---	---	---	---	---	393	245	19	9.6	8.7
13	47	---	---	---	---	---	---	433	202	23	9.6	8.7
14	48	---	---	---	---	---	---	487	183	19	9.6	8.7
15	44	---	---	---	---	---	---	518	173	20	9.6	8.7
16	52	---	---	---	---	---	---	526	168	16	9.6	8.8
17	43	---	---	---	---	---	---	535	155	15	9.6	56
18	37	---	---	---	---	---	---	575	137	15	9.6	28
19	31	---	---	---	---	---	---	561	117	14	10	11
20	30	---	---	---	---	---	---	512	105	21	10	8.9
21	33	---	---	---	---	---	---	442	96	36	9.2	8.3
22	33	---	---	---	---	---	---	322	89	18	9.1	8.3
23	31	---	---	---	---	---	---	259	82	15	9.1	9.9
24	35	---	---	---	---	---	---	239	72	14	9.2	16
25	36	---	---	---	---	---	81e	246	65	13	9.2	22
26	34	---	---	---	---	---	90e	260	59	15	8.8	26
27	33	---	---	---	---	---	115e	287	54	14	8.7	15
28	32	---	---	---	---	---	171	298	50	14	8.9	11
29	32	---	---	---	---	---	216	276	46	14	9.1	9.9
30	32	---	---	---	---	---	258	255	42	12	8.7	15
31	30	---	---	---	---	---	---	249	---	13	8.7	---
TOTAL	1201	244	---	---	---	---	931	10289	4639	658	311.1	399.4
MEAN	38.7	30.5	---	---	---	---	155	332	155	21.2	10.0	13.3
AC-FT	2380	484	---	---	---	---	1850	20410	9200	1310	617	792
MAX	72	34	---	---	---	---	258	575	248	40	13	56
MIN	29	27	---	---	---	---	81	161	42	12	8.7	8.3
CAL YR 2006	TOTAL	32891	MEAN	163	MAX	1040	MIN	10	AC-FT	65240 (PARTIAL YEAR RECORD)		
WTR YR 2007	TOTAL	18672.5	MEAN	94.3	MAX	575	MIN	8.3	AC-FT	37040 (PARTIAL YEAR RECORD)		

MAX DISCH: 833 CFS AT 19:00 ON May. 18, 2007 GH 2.34 FT. SHIFT 0.02 FT.
MAX GH: 2.34 FT. AT 19:00 ON May. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09238500 WALTON CREEK NEAR STEAMBOAT SPRINGS CO
WY2007 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06616500 MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR

LOCATION.--Lat. 40°36'48", Long. 106°05'05", (Gould, Colorado Quadrangle, 1955), SE1/4 of the SE1/4 in Section 36 T8N, R78W in Jackson County. Under bridge on County Road 30 about 700 feet upstream of its confluence with Peterson Creek.

DRAINAGE AREA.--Approximately 99 sq. mi.

PERIOD OF RECORD.--Formerly known as the Michigan River near Gould station and was relocated due to removal of bridge location. Station has been in operation at present location since 1997.

GAGE.--Sutron Satlink 2 high data rate data collection platform with satellite monitoring equipment and shaft encoder in a 12-inch stilling well installed in the river channel at the downstream end of the right bridge abutment. On September 25, 2007, an 18-inch diameter corrugated metal pipe stilling well with two 2-inch intakes was installed at downstream end of right bridge abutment. An outside staff gage ranging from 0.00 to 6.66 feet located just upstream of the well is primary reference gage. Approximate elevation gage is 8500 ft (from topographic map).

REMARKS.--Primary record is 15 minute data from the DCP. Continuous gage height records were kept from October 1 to November 15, 2006 and March 25 to September 30, 2007. Record was not kept during the winter period. The record is complete and reliable except for November 13-15, 2006 when the float was frozen in ice in the stilling well. The site was shut down for the winter on November 15, 2006 due to freezing conditions. The site was re-opened on March 25, 2007. The partial-day data for March 25, 2007 was used to estimate the flow on this date. The record is good except for the periods November 13-15, 2006 and March 25, 2007, which were estimated and are considered poor. Station maintained and record developed by Jean Ray.

RATING TABLE.--MICMERC006 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	6.0	---	---	---	---	36	215	136	28	20	10
2	11	5.8	---	---	---	---	41	217	115	55	21	11
3	23	4.8	---	---	---	---	39	241	121	69	29	9.8
4	26	4.9	---	---	---	---	35	224	152	62	29	9.7
5	21	3.8	---	---	---	---	37	160	209	64	24	11
6	21	3.9	---	---	---	---	42	124	238	62	29	14
7	22	4.8	---	---	---	---	52	98	236	52	26	16
8	22	6.1	---	---	---	---	48	87	197	48	25	13
9	22	7.1	---	---	---	---	48	102	153	47	21	11
10	20	6.8	---	---	---	---	50	119	129	41	19	10
11	17	5.5	---	---	---	---	43	169	160	38	17	9.8
12	16	5.1	---	---	---	---	36	191	236	40	17	7.8
13	20	4.8e	---	---	---	---	34	242	222	42	16	7.1
14	16	4.4e	---	---	---	---	29	288	186	32	16	6.8
15	14	4.0e	---	---	---	---	28	345	201	36	17	7.2
16	15	---	---	---	---	---	34	370	224	36	16	11
17	16	---	---	---	---	---	47	363	217	33	14	21
18	17	---	---	---	---	---	58	320	238	33	16	23
19	12	---	---	---	---	---	63	341	192	30	19	15
20	14	---	---	---	---	---	60	354	151	31	18	17
21	14	---	---	---	---	---	63	319	125	29	14	15
22	13	---	---	---	---	---	53	351	109	26	12	14
23	14	---	---	---	---	---	58	265	94	25	11	14
24	14	---	---	---	---	---	57	197	77	36	12	21
25	11	---	---	---	---	38e	45	155	66	27	11	27
26	12	---	---	---	---	38	50	146	53	29	10	25
27	12	---	---	---	---	39	65	155	45	29	10	23
28	14	---	---	---	---	40	100	174	37	32	12	18
29	11	---	---	---	---	37	187	244	34	28	11	17
30	9.3	---	---	---	---	38	241	232	29	23	10	19
31	7.9	---	---	---	---	34	---	168	---	21	9.7	---
TOTAL	484.3	77.8	---	---	---	264	1779	6976	4382	1184	531.7	434.2
MEAN	15.6	5.19	---	---	---	37.7	59.3	225	146	38.2	17.2	14.5
AC-FT	961	154	---	---	---	524	3530	13840	8690	2350	1050	861
MAX	26	7.1	---	---	---	40	241	370	238	69	29	27
MIN	7.1	3.8	---	---	---	34	28	87	29	21	9.7	6.8
CAL YR	2006	TOTAL	11027	MEAN	50.4	MAX	341	MIN	3.4	AC-FT	21870	(PARTIAL YEAR RECORD)
WTR YR	2007	TOTAL	16113	MEAN	68.3	MAX	370	MIN	3.8	AC-FT	31960	(PARTIAL YEAR RECORD)

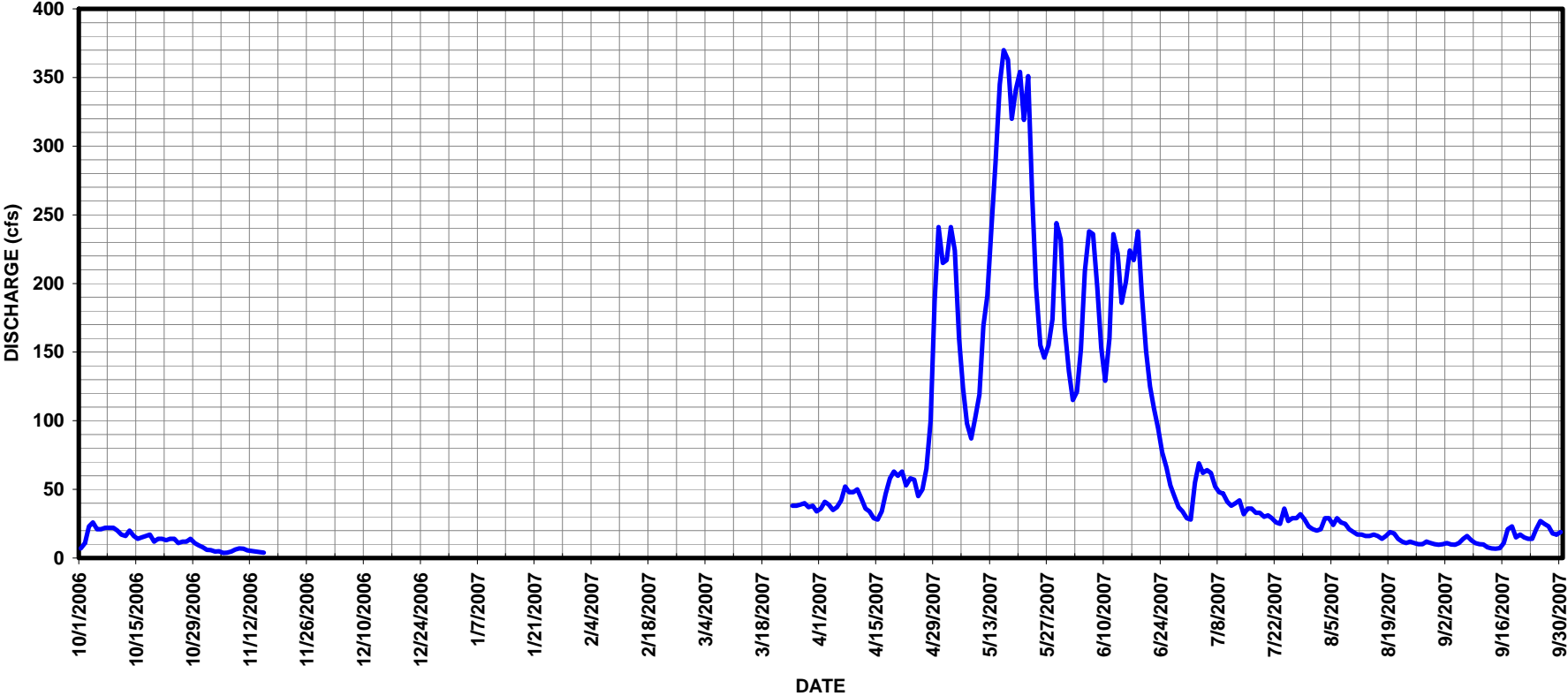
MAX DISCH: 412 CFS AT 06:15 ON May. 16, 2007 GH 2.95 FT. SHIFT 0.12 FT.

MAX GH: 2.95 FT. AT 06:15 ON May. 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

e=estimated

06616500 MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR CO
WY2007 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06617100 MICHIGAN RIVER NEAR WALDEN, CO

LOCATION.--Lat. 40°44'27", Long. 106°16'54", (Walden, Colorado Quadrangle, 1955), NW1/4 NW1/4 in Section 21 T9N, R79W in Jackson County. Station was moved downstream approximately one-quarter of a mile to a location just upstream of the Highway 125 bridge in October 2004, on Jackson County property at Town of Walden Water Facility.

DRAINAGE AREA.--Approximately 182 sq. mi.

PERIOD OF RECORD.--Originally established by the USGS at a location believed to be just upstream of the present location in May 1904. Records kept by the USGS from May 1904 to October 1905 and May 1923 to October 1947. Re-established by the State Engineer's Office in May 2002. Records kept by the Town of Walden from 1916 to present.

GAGE.--Sutron shaft encoder and high data rate 8210 data collection platform (DCP) with satellite telemetry housed in a steel shelter mounted on top of a 24-inch diameter corrugated metal pipe stilling well with two two-inch diameter inlet pipes. Drop tape referenced to an RP on the instrument shelf was the primary reference gage until June 14, 2006, when an electric drop tape was installed, and has been the primary reference gage since that time.

REMARKS.--Primary record is 15-minute data from the DCP. Gage height records were kept from October 1 to November 27, 2006 and April 2 to September 30, 2007. Record was not kept during the winter. The record is complete and reliable except for October 18, 19, 22-24, and 26-31, November 1-3, 5-6, 11-15, and 19-27, 2006; and April 11-13, 2007, which were ice-affected; and April 2-9, 2007 due to DCP issues during spring gage startup. The record is good, except for the periods of ice effect and no record, which were estimated and are considered poor. Station maintained and record developed by Jean Ray.

RATING TABLE.--MICWLDC012 USED FROM 01-OCT-2006 TO 30-SEP-2007

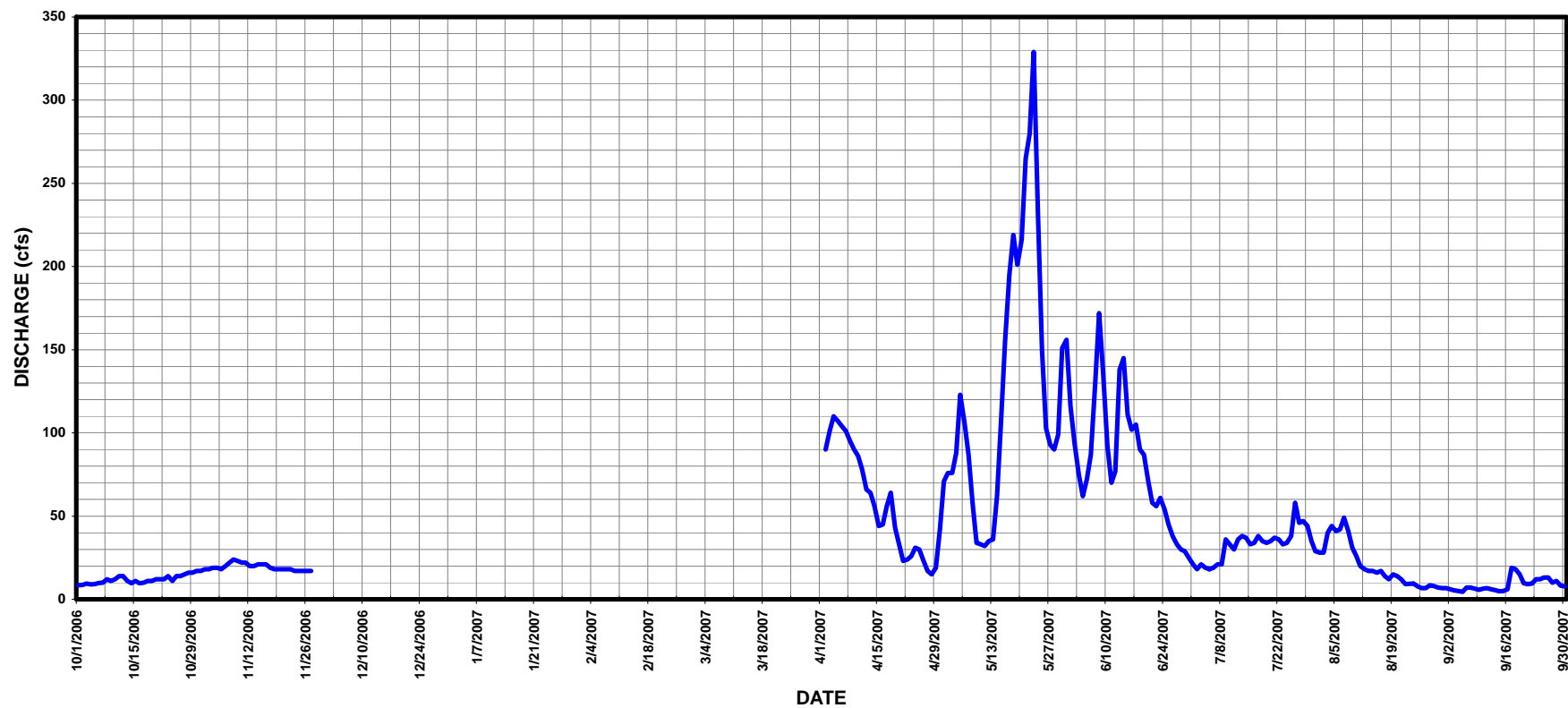
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	18e	---	---	---	---	---	71	116	21	28	6.8
2	8.6	18e	---	---	---	---	90e	76	94	18	28	6.1
3	9.4	19e	---	---	---	---	101e	76	75	21	40	5.3
4	9.0	19	---	---	---	---	110e	88	62	19	44	5.0
5	9.1	18e	---	---	---	---	107e	123	72	18	41	4.5
6	9.8	20e	---	---	---	---	104e	106	87	19	42	7.1
7	10	22	---	---	---	---	101e	87	129	21	49	7.1
8	12	24	---	---	---	---	95e	58	172	21	41	6.4
9	11	23	---	---	---	---	90e	34	136	36	31	5.7
10	12	22	---	---	---	---	86	33	92	33	26	6.3
11	14	22e	---	---	---	---	78e	32	70	30	20	6.8
12	14	20e	---	---	---	---	66e	35	77	36	18	6.1
13	11	20e	---	---	---	---	64e	36	138	38	17	5.5
14	9.6	21e	---	---	---	---	56	62	145	37	17	4.8
15	11	21e	---	---	---	---	44	107	111	33	16	5.0
16	9.7	21	---	---	---	---	45	155	102	34	17	6.0
17	10	19	---	---	---	---	56	195	105	38	14	19
18	11e	18	---	---	---	---	64	219	90	35	12	18
19	11e	18e	---	---	---	---	43	201	87	34	15	15
20	12	18e	---	---	---	---	33	216	71	35	14	9.6
21	12	18e	---	---	---	---	23	265	58	37	12	9.1
22	12e	18e	---	---	---	---	24	280	56	36	9.2	9.5
23	14e	17e	---	---	---	---	26	329	61	33	9.3	12
24	11e	17e	---	---	---	---	31	231	54	34	9.4	12
25	14	17e	---	---	---	---	30	150	45	38	7.7	13
26	14e	17e	---	---	---	---	23	103	38	58	6.8	13
27	15e	17e	---	---	---	---	17	93	33	46	6.7	10
28	16e	---	---	---	---	---	15	90	30	47	8.4	11
29	16e	---	---	---	---	---	19	99	29	44	8.0	8.2
30	17e	---	---	---	---	---	42	151	25	35	7.1	7.7
31	17e	---	---	---	---	---	---	156	---	29	6.7	---
TOTAL	370.6	522	---	---	---	---	1683	3957	2460	1014	621.3	261.6
MEAN	12.0	19.3	---	---	---	---	58.0	128	82.0	32.7	20.0	8.72
AC-FT	735	1040	---	---	---	---	3340	7850	4880	2010	1230	519
MAX	17	24	---	---	---	---	110	329	172	58	49	19
MIN	8.4	17	---	---	---	---	15	32	25	18	6.7	4.5
CAL YR	2006	TOTAL	7211.4	MEAN	32.5	MAX	179	MIN	2.1	AC-FT	14300	(PARTIAL YEAR RECORD)
WTR YR	2007	TOTAL	10889.5	MEAN	45.4	MAX	329	MIN	4.5	AC-FT	21600	(PARTIAL YEAR RECORD)

MAX DISCH: 349 CFS AT 11:45 ON May. 23, 2007 GH 2.82 FT. SHIFT 0.04 FT.
MAX GH: 2.82 FT. AT 11:45 ON May. 23, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e=estimated

06617100 MICHIGAN RIVER NEAR WALDEN CO
WY2007 HYDROGRAPH



NORTH PLATTE RIVER BASIN
06617500 ILLINOIS RIVER NEAR RAND, CO

LOCATION.--Lat. 40°27'45", Long. 106°10'30", (Rand Quadrangle, 1956), in SW1/4 of the NE1/4 of Section 29, T6N, R78W in Jackson County, on right upstream bridge abutment on Jackson County Road 27.

DRAINAGE AREA.--Approximately 70.6 sq. mi. (from topographic maps).

PERIOD OF RECORD.--Established by the State Engineer's Office. Formerly published as Illinois Creek near Rand (1931-1940) at similar location. Hydrographic measurements taken in 1981 and 1985, but no records were kept. Records kept from 1987 to present. Records published in 1995 and 2002 through the present.

GAGE.--Shaft encoder housed in a metal box on top of 12-inch diameter well with 1-inch diameter pipe protruding from well into the water. The well is located upstream of right bridge abutment with outside staff located just to the left on abutment. Shaft encoder is connected to a Sutron 8200A data collection platform (DCP) with satellite telemetry located several meters back from the channel bank in a grey housing box. On September 26, 2007, the shaft encoder shelter and stilling well were replaced with an 18" diameter CMP stilling well with two 2-in intakes. A Sutron Satlink DCP with high data rate satellite telemetry was also installed on that date. Approximate elevation of gage is 8550 feet.

REMARKS.--Primary record through September 26, 2007 is hourly data from the DCP, after which it is 15-minute data from the DCP. Continuous gage height records were kept from October 1 to November 15, 2006 and March 27 to September 30, 2007. Record was not kept during the winter: November 16, 2006 to March 26, 2007. The record is complete and reliable, except for: October 23-24 and 28-29, 2006 and November 1-3, 2006, which were ice affected; and November 12-15, 2006 and March 27 and 29-31, 2007, which were days with no gage height record. The record is good, except for periods of ice effect and no gage height record, which are considered poor. The period May 3-5 and 13-23, 2007 should be considered fair to poor since the average daily flow exceeded the highest measured flow this water year by 200%. Station maintained and record developed by Jean Ray.

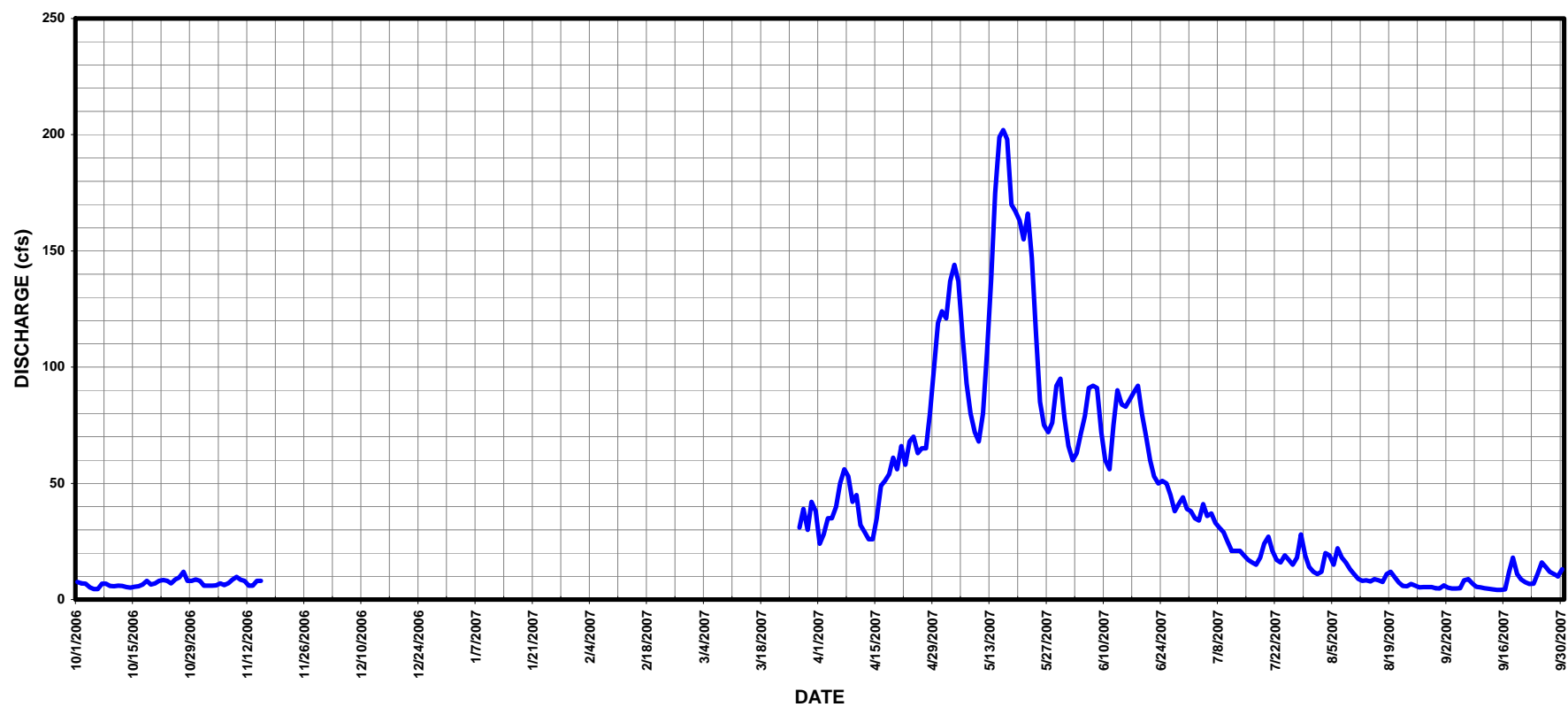
RATING TABLE.--ILLRANCO05 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	6.0e	---	---	---	---	24	124	66	38	11	6.1
2	7.0	6.0e	---	---	---	---	28	121	60	35	12	5.1
3	6.8	6.0e	---	---	---	---	35	137	63	34	20	4.7
4	5.2	6.1	---	---	---	---	35	144	71	41	19	4.7
5	4.5	7.0	---	---	---	---	40	137	79	36	15	4.9
6	4.5	6.2	---	---	---	---	50	113	91	37	22	8.3
7	6.8	7.1	---	---	---	---	56	93	92	33	18	8.8
8	6.8	8.5	---	---	---	---	53	80	91	31	16	7.0
9	5.9	9.8	---	---	---	---	42	72	72	29	13	5.5
10	5.7	8.5	---	---	---	---	45	68	60	25	11	5.2
11	6.0	8.1	---	---	---	---	32	80	56	21	8.9	4.9
12	5.9	6.0e	---	---	---	---	29	106	75	21	8.0	4.6
13	5.4	6.0e	---	---	---	---	26	138	90	21	8.3	4.4
14	5.1	8.0e	---	---	---	---	26	175	84	19	7.8	4.2
15	5.5	8.0e	---	---	---	---	35	199	83	17	8.8	4.2
16	5.7	---	---	---	---	---	49	202	86	16	8.3	4.4
17	6.5	---	---	---	---	---	51	198	89	15	7.6	12
18	8.1	---	---	---	---	---	54	170	92	18	11	18
19	6.4	---	---	---	---	---	61	167	80	24	12	11
20	6.9	---	---	---	---	---	56	163	70	27	9.5	8.6
21	8.1	---	---	---	---	---	66	155	60	21	7.3	7.4
22	8.4	---	---	---	---	---	58	166	53	17	5.9	6.7
23	8.0e	---	---	---	---	---	68	147	50	16	5.7	6.8
24	7.0e	---	---	---	---	---	70	114	51	19	6.7	11
25	8.6	---	---	---	---	---	63	85	50	17	6.0	16
26	9.5	---	---	---	---	---	65	75	45	15	5.2	14
27	12	---	---	---	---	31e	65	72	38	18	5.3	12
28	8.0e	---	---	---	---	39	80	76	41	28	5.3	11
29	8.0e	---	---	---	---	30e	99	92	44	19	5.3	10
30	8.7	---	---	---	---	42e	119	95	39	14	4.9	13
31	8.0	---	---	---	---	38e	---	78	---	12	4.8	---
TOTAL	216.5	107.3	---	---	---	180	1580	3842	2021	734	309.6	244.5
MEAN	6.98	7.15	---	---	---	36.0	52.7	124	67.4	23.7	9.99	8.15
AC-FT	429	213	---	---	---	357	3130	7620	4010	1460	614	485
MAX	12	9.8	---	---	---	42	119	202	92	41	22	18
MIN	4.5	6.0	---	---	---	30	24	68	38	12	4.8	4.2

CAL YR 2006 TOTAL 5601.7 MEAN 25.6 MAX 161 MIN 2.4 AC-FT 11110
WTR YR 2007 TOTAL 9234.9 MEAN 39.5 MAX 202 MIN 4.2 AC-FT 18320
MAX DISCH: 219 CFS AT 08:00 ON May. 16, 2007 GH 2.48 FT. SHIFT 0.15 FT.
MAX GH: 2.48 FT. AT 08:00 ON May. 16, 2007
FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e=estimated

06617500 ILLINOIS RIVER NEAR RAND CO
WY2007 HYDROGRAPH



YAMPA RIVER BASIN

09249750 WILLIAMS FORK AT MOUTH NEAR HAMILTON, CO

LOCATION.--Lat. 40°26'14", long. 107°38'50", in SE1/4 of the NW1/4 of Section 31, T6N, R91W, Moffat County, Hydrologic Unit 14050001, on left bank at coal mine service road crossing, 2,300 ft upstream from confluence with Yampa River, 6.1 mi north-northeast of Hamilton, and 8 mi south-southwest of Craig, CO.

DRAINAGE AREA.--419 sq mi.

PERIOD OF RECORD.--Gage established and operated by USGS February 1, 1984 to September 30, 2001. Gage re-established by State Engineer's Office April 26, 2005.

GAGE.--High data rate Sutron SatLink Logger with satellite telemetry and Sutron Accubar powered by a solar recharged 12-volt battery housed in a 6-foot square shelter over a 4-foot culvert well (no longer in use). Outside gage is a wire weight gage mounted on the upstream side of the bridge almost directly above the orifice. Approximate elevation of gage is 6170 ft (from topographic map).

REMARKS.--Primary record is the transmitted 15-minute satellite data with data from the DCP log used as backup. Continuous gage height records were kept from October 1 through September 30, 2007. The record is complete and reliable, except for: May 30-June 15, 2007 due to the nitrogen gas tank being turned off, and June 16-28, 2007 due to Accubar/gas feed problems and unstable gage height readings. The Accubar/bubbler was plagued with sediment/orifice deposition issues during the periods: February 8-April 30, May 9-11, June 29-July 10, and July 31-August 9, 2007. The record is good, except for the following periods: May 30-June 28, 2007, which is considered poor; February 8-April 30, May 9-11, June 29-July 10, and July 31-August 9, 2007, which are considered fair. Station maintained and record developed by Jean Ray.

RATING TABLE.--WMFKMHCO07 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	75	39	49	55	54	230	999	782e	57	38	20
2	58	61	46	51	55	48	247	890	728e	50	36	30
3	62	74	49	51	56	48	277	753	680e	48	35	22
4	123	75	45	54	56	49	283	721	634e	46	40	21
5	84	70	51	53	55	54	318	601	587e	45	46	25
6	81	68	59	55	52	60	401	453	543e	48	54	37
7	153	68	61	54	50	76	431	369	501e	48	50	45
8	160	74	59	54	52	71	412	343	461e	48	46	29
9	115	81	56	56	52	95	412	395	420e	48	42	27
10	106	80	56	56	52	84	450	456	383e	48	35	27
11	98	64	58	58	56	88	383	621	348e	40	30	25
12	87	75	59	58	60	93	355	714	312e	44	29	24
13	80	58	60	55	59	109	318	960	280e	51	28	24
14	75	68	63	55	50	153	286	1090	250e	59	29	22
15	92	63	66	59	59	182	268	1240	244e	45	30	22
16	94	52	65	60	56	160	315	1210	222e	43	31	27
17	106	82	59	62	56	156	366	1020	208e	39	35	53
18	99	76	57	65	50	177	359	995	195e	38	31	91
19	84	69	58	67	52	206	390	932	180e	42	32	54
20	79	64	53	67	59	216	390	900	168e	40	28	41
21	89	69	57	65	53	242	401	898	156e	40	27	35
22	87	76	56	63	63	233	387	978	142e	38	24	31
23	80	71	56	62	69	230	405	747	131e	35	23	34
24	80	64	57	62	65	244	458	635	121e	36	21	56
25	85	56	56	61	52	225	405	595	109e	37	24	71
26	96	67	58	60	50	259	355	624	99e	54	21	57
27	75	62	61	59	60	280	390	743	90e	60	22	54
28	85	54	61	58	56	383	514	840	78e	65	28	47
29	89	36	59	55	---	322	823	919	73	57	26	44
30	91	35	57	55	---	259	1050	885e	65	43	19	58
31	84	---	48	55	---	253	---	833e	---	39	15	---
TOTAL	2840	1987	1745	1794	1560	5109	12079	24359	9190	1431	975	1153
MEAN	91.6	66.2	56.3	57.9	55.7	165	403	786	306	46.2	31.5	38.4
AC-FT	5630	3940	3460	3560	3090	10130	23960	48320	18230	2840	1930	2290
MAX	160	82	66	67	69	383	1050	1240	782	65	54	91
MIN	58	35	39	49	50	48	230	343	65	35	15	20

CAL YR	2006	TOTAL	75829	MEAN	208	MAX	1500	MIN	24	AC-FT	150400
WTR YR	2007	TOTAL	64222	MEAN	176	MAX	1240	MIN	15	AC-FT	127400

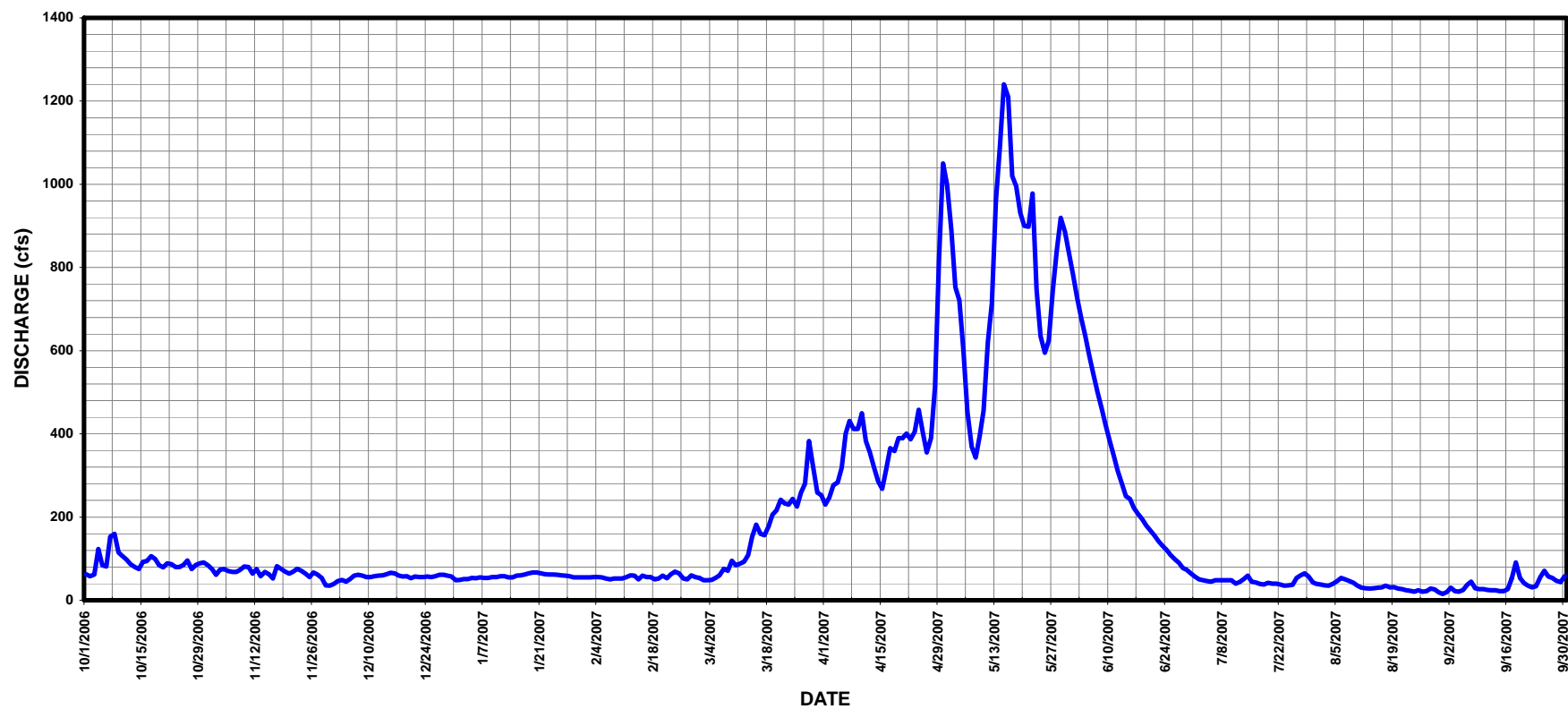
MAX DISCH: 1640 CFS AT 09:00 ON May 16, 2007 GH 6.48 FT. SHIFT +0.03 FT.

MAX GH: 6.48 FT. AT 09:00 ON May 16, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

e=estimated

09249750 WILLIAMS FORK AT MOUTH NEAR HAMILTON CO
WY2007 HYDROGRAPH



GREEN RIVER BASIN

POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL, UT

LOCATION.--Lat. 40°40'25", long. 109°03'03", (Hoy Mountain, Utah-Colorado Quadrangle), in Section 1, T2S, R25E Salt Lake Meridian in Daggett County, Utah, on left bank approximately 0.2 miles upstream from the Utah-Colorado state line.

DRAINAGE AREA.--107sq mi (from topographic maps)

PERIOD OF RECORD.--Established September 1, 1957 by the USGS; USGS discontinued site September 30, 1982; re-established Summer 1983 by the State Engineer's Office. Staff gage installed inside well by USGS. Two outside staff gages, one on each bank, installed by State Engineer's Office.

GAGE.--Stevens A-71 chart recorder and shaft encoder connected to a high data rate Sutron Satlink data logger with satellite telemetry in a 42-inch diameter corrugated metal well on left bank. Well is equipped with two 2-inch intakes with standard inside flushing devices. SatLink data logger is housed in a gray housing box attached to the side of the stilling well. Outside staff gages located on right and left banks with range of 0.00 to 3.33 ft and third staff mounted on inside of well.

REMARKS.--Primary record is hourly data developed from the DCP data log of 15-minute observations. Continuous gage height records were kept from October 1, 2006 through September 30, 2007. The record is complete, with the exception of several 15-minute data points missing from the satellite data (on February 1 and 24, 2007 and April 1, 2007, which coincided with no flow periods at the site). Missing values, therefore, were assumed to be zero. The record is considered fair/poor throughout the record period, because no flow measurements were made. Station maintained and record developed by Jean Ray.

RATING TABLE.--PTCKSLCO06 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

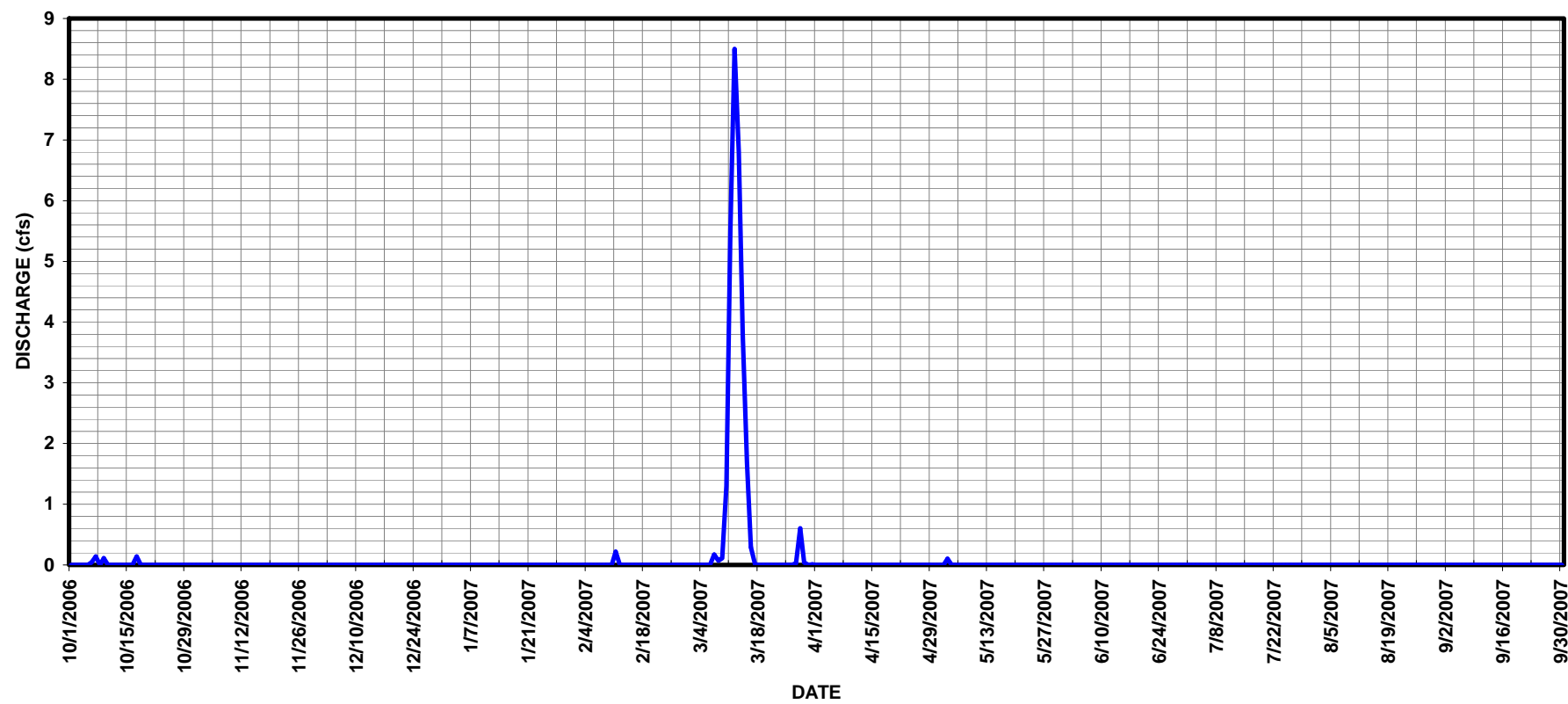
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	.10	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	.04	0	0	0	0	0	0	0	0	0	0	0
7	.14	0	0	0	0	.17	0	0	0	0	0	0
8	0	0	0	0	0	.07	0	0	0	0	0	0
9	.11	0	0	0	0	.11	0	0	0	0	0	0
10	0	0	0	0	0	1.3	0	0	0	0	0	0
11	0	0	0	0	.22	5.5	0	0	0	0	0	0
12	0	0	0	0	0	8.5	0	0	0	0	0	0
13	0	0	0	0	0	6.8	0	0	0	0	0	0
14	0	0	0	0	0	3.8	0	0	0	0	0	0
15	0	0	0	0	0	1.7	0	0	0	0	0	0
16	0	0	0	0	0	.29	0	0	0	0	0	0
17	.14	0	0	0	0	.01	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	.03	0	0	0	0	0	0
28	0	0	0	0	0	.60	0	0	0	0	0	0
29	0	0	0	0	---	.04	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	.01	---	0	---	0	0	---
TOTAL	.43	0	0	0	.22	28.93	0	.10	0	0	0	0
MEAN	.014	0	0	0	.008	.93	0	.003	0	0	0	0
AC-FT	.9	0	0	0	.4	57	0	.2	0	0	0	0
MAX	.14	0	0	0	.22	8.5	0	.10	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2006	TOTAL	605.65	MEAN	1.66	MAX	80	MIN	0	AC-FT	1200
WTR YR	2007	TOTAL	29.68	MEAN	.081	MAX	8.5	MIN	0	AC-FT	59

MAX DISCH: 26.6 CFS AT 19:30 ON Mar. 12, 2007 GH 1.52 FT. SHIFT 0.03 FT.
MAX GH: 1.52 FT. AT 19:30 ON Mar. 12, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL, UT
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

DOLORES TUNNEL OUTLET NEAR DOLORES, CO

LOCATION.--Lat 37°28'00", long 108°32'30", in SW¼SE¼ sec. 18, T. 37 N., R.15 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Sutron 8200 DCP in a concrete shelter and well at a 15-foot Parshall Flume. An electric tape gage is the primary reference. A Sutron Satlink 2 high data rate DCP was installed on April 25, 2007.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the Dolores Conservancy District and record developed by Brian Boughton.

RATING TABLE.--DOLTUNCO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

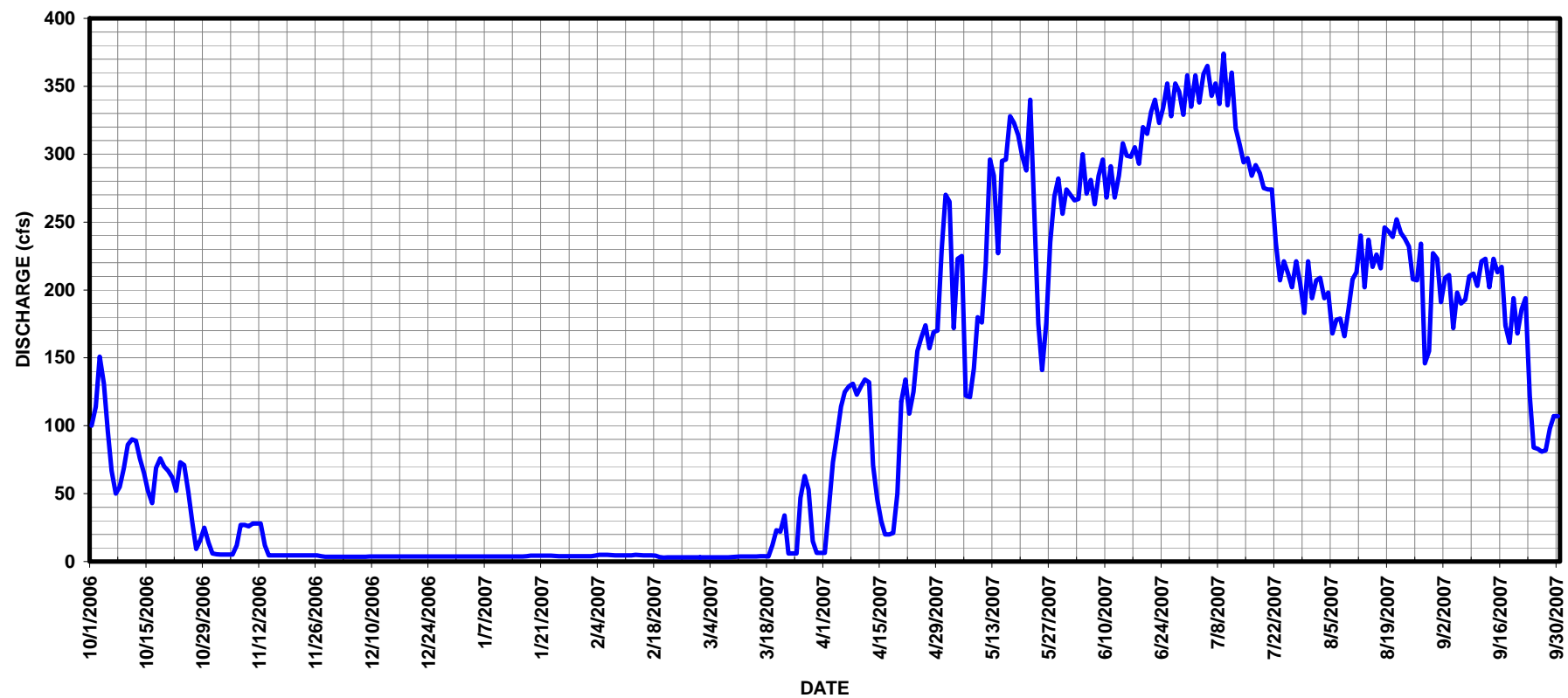
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	5.3	3.4	3.7	4.0	3.1	6.3	270	270	335	207	191
2	114	5.2	3.4	3.7	4.0	3.1	38	265	266	358	209	209
3	151	5.2	3.4	3.7	4.4	3.1	73	172	267	338	194	211
4	131	5.2	3.4	3.7	4.9	3.1	92	223	300	359	198	172
5	96	5.2	3.4	3.7	4.9	3.1	114	225	271	365	168	198
6	67	12	3.4	3.7	4.9	3.1	125	122	281	343	178	190
7	50	27	3.4	3.7	4.7	3.1	129	121	263	352	179	193
8	55	27	3.6	3.7	4.6	3.1	131	142	284	337	166	210
9	69	26	3.7	3.7	4.6	3.2	123	180	296	374	185	212
10	86	28	3.7	3.7	4.6	3.5	129	176	268	336	208	203
11	90	28	3.7	3.7	4.6	3.7	134	219	291	360	213	221
12	89	28	3.7	3.7	4.6	3.7	132	296	268	319	240	223
13	76	12	3.7	3.7	4.9	3.8	71	284	284	307	202	202
14	65	4.6	3.7	3.7	4.7	3.8	46	227	308	294	237	223
15	52	4.6	3.7	3.7	4.6	3.8	30	295	299	297	217	213
16	43	4.6	3.7	3.7	4.6	4.0	20	296	298	284	226	217
17	69	4.6	3.7	4.0	4.6	3.9	20	328	305	292	216	174
18	76	4.6	3.7	4.3	4.4	3.7	21	323	293	286	246	161
19	70	4.6	3.7	4.3	3.3	12	50	314	320	275	243	194
20	67	4.6	3.7	4.3	2.9	23	118	299	315	274	239	168
21	62	4.6	3.7	4.3	3.1	22	134	288	331	274	252	186
22	52	4.6	3.7	4.3	3.1	34	109	340	340	235	242	194
23	73	4.6	3.7	4.3	3.1	5.9	125	255	323	207	238	122
24	71	4.6	3.7	4.1	3.1	5.9	155	175	334	221	232	84
25	51	4.6	3.7	4.0	3.1	5.9	165	141	352	212	208	83
26	29	4.6	3.7	4.0	3.1	47	174	176	328	202	207	81
27	9.2	3.9	3.7	4.0	3.1	63	157	235	352	221	234	82
28	16	3.4	3.7	4.0	3.1	53	169	269	346	205	146	98
29	25	3.4	3.7	4.0	---	15	170	282	329	183	155	107
30	14	3.4	3.7	4.0	---	6.3	230	256	358	221	227	107
31	5.9	---	3.7	4.0	---	6.3	---	274	---	194	223	---
TOTAL	2024.1	288.0	112.5	121.1	113.6	361.2	3190.3	7468	9140	8860	6535	5129
MEAN	65.3	9.60	3.63	3.91	4.06	11.7	106	241	305	286	211	171
AC-FT	4010	571	223	240	225	716	6330	14810	18130	17570	12960	10170
MAX	151	28	3.7	4.3	4.9	63	230	340	358	374	252	223
MIN	5.9	3.4	3.4	3.7	2.9	3.1	6.3	121	263	183	146	81

CAL YR	2006	TOTAL	41422.9	MEAN	113	MAX	343	MIN	3.4	AC-FT	82160
WTR YR	2007	TOTAL	43342.8	MEAN	119	MAX	374	MIN	2.9	AC-FT	85970

MAX DISCH: 425 CFS AT 16:45 ON Jul. 9, 2007 GH 3.36 FT. SHIFT 0.03 FT.
MAX GH: 3.36 FT. AT 16:45 ON Jul. 9, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DOLORES TUNNEL OUTLET NEAR DOLORES CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO

LOCATION.--Lat 37°30'24", long 108°35'28", in NW¼SW¼ sec. 35, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Sutron 8200 DCP and shaft encoder in a concrete shelter and well at a 12-foot Parshall Flume. Shaft encoder is set to outside staff gage. A Sutron 8210 high data rate DCP was installed on April 24, 2007.

REMARKS.--Record is complete, reliable, and good for the entire water year. Station maintained by the Dolores Conservancy District and record developed by Brian Boughton.

RATING TABLE.--MVIDIVCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

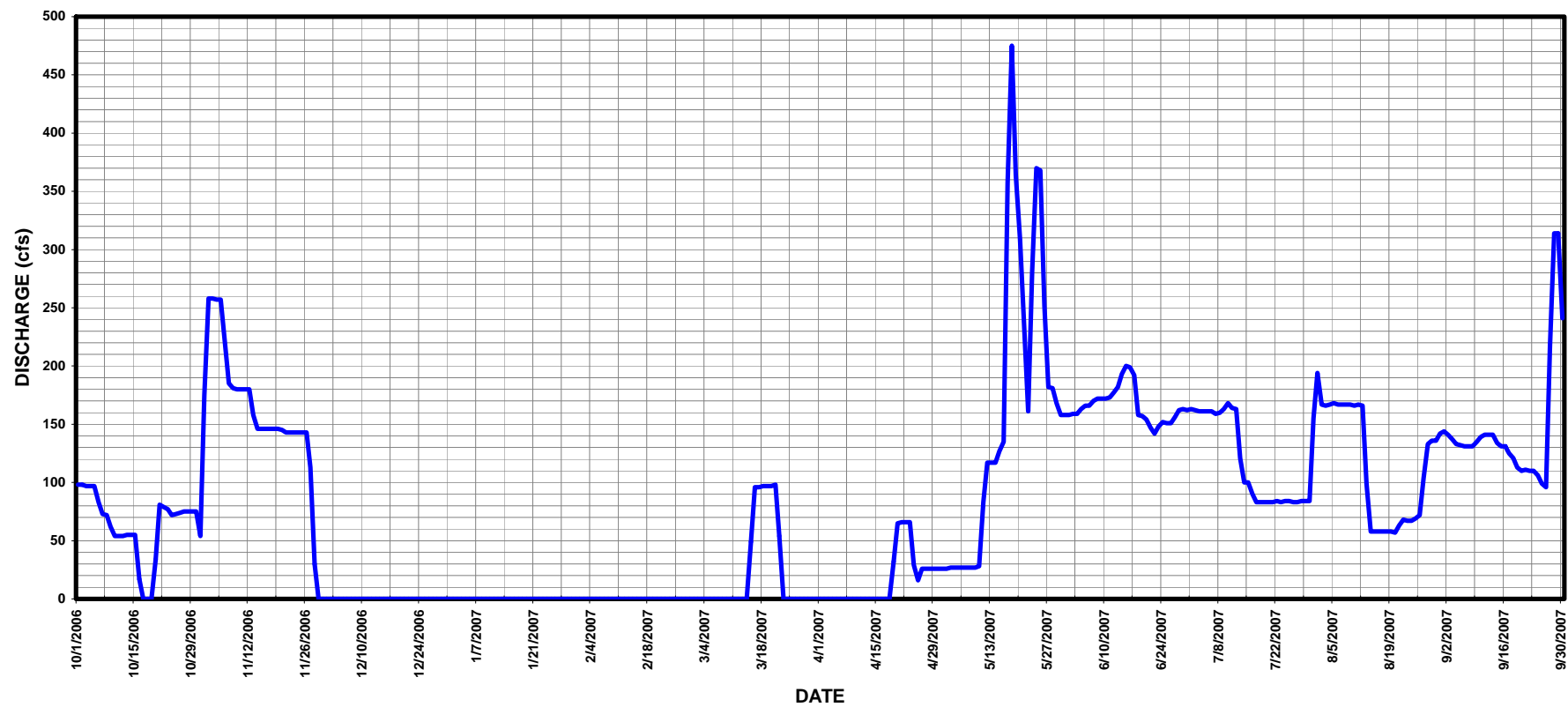
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	175	0	0	0	0	0	26	158	163	194	144
2	98	258	0	0	0	0	0	26	159	162	167	141
3	97	258	0	0	0	0	0	27	159	161	166	137
4	97	257	0	0	0	0	0	27	163	161	167	133
5	97	257	0	0	0	0	0	27	166	161	168	132
6	83	220	0	0	0	0	0	27	166	161	167	131
7	73	185	0	0	0	0	0	27	170	159	167	131
8	72	181	0	0	0	0	0	27	172	160	167	131
9	62	180	0	0	0	0	0	27	172	163	167	135
10	54	180	0	0	0	0	0	28	172	168	166	139
11	54	180	0	0	0	0	0	83	173	164	167	141
12	54	180	0	0	0	0	0	117	177	163	166	141
13	55	158	0	0	0	0	0	117	182	121	99	141
14	55	146	0	0	0	0	0	117	193	100	58	134
15	55	146	0	0	0	49	0	127	200	100	58	131
16	17	146	0	0	0	96	0	135	199	90	58	131
17	0	146	0	0	0	96	0	357	192	83	58	125
18	0	146	0	0	0	97	0	475	158	83	58	121
19	0	146	0	0	0	97	32	364	157	83	58	113
20	34	145	0	0	0	97	65	309	154	83	57	110
21	81	143	0	0	0	98	66	238	147	83	63	111
22	79	143	0	0	0	54	66	161	142	84	68	110
23	77	143	0	0	0	0	66	281	148	83	67	110
24	72	143	0	0	0	0	29	370	152	84	67	106
25	73	143	0	0	0	0	16	368	151	84	69	99
26	74	143	0	0	0	0	26	252	151	83	72	96
27	75	113	0	0	0	0	26	182	156	83	104	217
28	75	30	0	0	0	0	26	181	162	84	133	314
29	75	0	0	0	---	0	26	168	163	84	136	314
30	75	0	0	0	---	0	26	158	162	84	136	241
31	54	---	0	0	---	0	---	158	---	155	142	---
TOTAL	1965	4691	0	0	0	684	470	4987	4976	3680	3590	4360
MEAN	63.4	156	0	0	0	22.1	15.7	161	166	119	116	145
AC-FT	3900	9300	0	0	0	1360	932	9890	9870	7300	7120	8650
MAX	98	258	0	0	0	98	66	475	200	168	194	314
MIN	0	0	0	0	0	0	0	26	142	83	57	96

CAL YR	2006	TOTAL	30690	MEAN	84.1	MAX	258	MIN	0	AC-FT	60870
WTR YR	2007	TOTAL	29403	MEAN	80.6	MAX	475	MIN	0	AC-FT	58320

MAX DISCH: 484 CFS AT 06:45 ON May. 18, 2007 GH 4.05 FT. SHIFT 0.26 FT.
MAX GH: 4.05 FT. AT 06:45 ON May. 18, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES CO
WY2007 HYDROGRAPH



DOLORES RIVER BASIN

DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES, CO

LOCATION.--Lat 37°34'33", long 108°34'33", in SE¼SE¼ sec. 2, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--550 mi².

GAGE.--Graphic water-stage recorder and a Sutron Satlink HDR DCP on separate floats in a concrete shelter and well. Control is an 15-ft. Parshall Flume set in a flat concrete structure that acts as a weir at high flows. Electric tape gage is primary reference gage with supplemental outside staff gage in the flume. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records are complete and reliable. Record good. Diversions for irrigation of up to 47,000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan River Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and record developed by Brian Boughton.

RATING TABLE.--DOLBMCCO04A USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

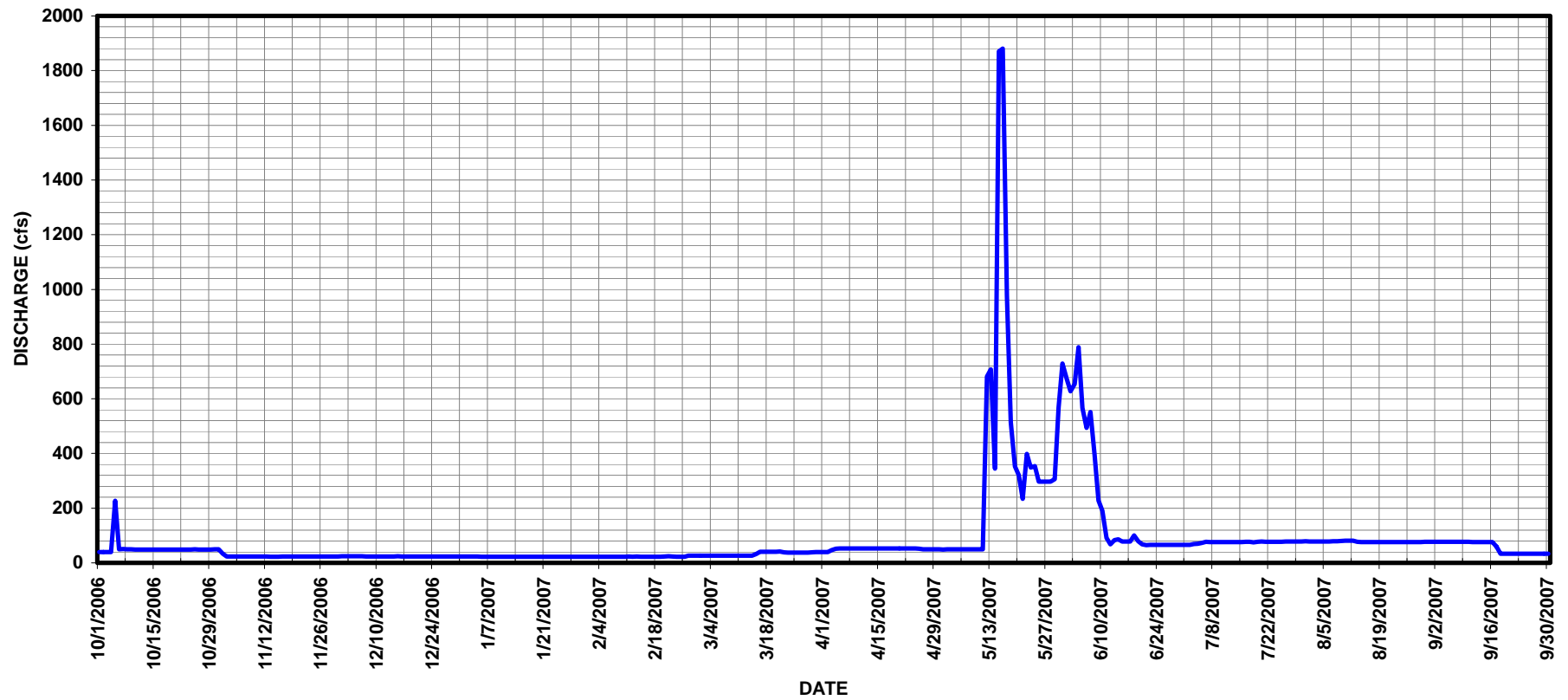
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	33	24	23	22	26	40	49	674	66	78	77
2	40	23	24	23	22	26	40	50	627	66	78	77
3	40	23	24	23	22	26	47	50	654	69	78	77
4	40	23	24	23	22	26	52	50	789	70	78	77
5	227	23	24	22	22	26	53	50	567	73	78	77
6	50	23	24	22	22	26	53	50	494	77	78	77
7	51	23	23	22	22	26	53	50	551	76	79	77
8	50	23	23	22	22	26	53	50	394	76	79	77
9	50	23	23	22	22	26	53	50	228	76	80	77
10	49	23	23	22	22	26	53	50	191	76	81	77
11	49	23	23	22	23	26	53	50	91	76	81	76
12	49	23	23	22	22	26	53	681	68	76	81	76
13	49	22	23	22	23	26	53	708	83	76	77	76
14	49	22	23	22	22	26	53	345	86	76	76	76
15	49	22	24	22	22	32	53	1870	78	76	76	76
16	49	23	23	22	22	41	53	1880	78	77	76	76
17	49	23	23	22	22	41	53	977	78	77	76	59
18	49	23	23	22	22	41	53	514	100	75	76	33
19	49	23	23	22	22	41	53	353	79	77	76	33
20	49	23	23	22	23	41	53	320	68	78	76	33
21	49	23	23	22	24	42	53	234	65	77	76	33
22	49	23	23	22	23	39	53	398	66	77	76	33
23	49	23	23	22	22	37	53	349	66	77	76	33
24	49	23	23	22	22	38	53	354	66	77	76	33
25	50	23	23	22	22	38	52	297	66	77	76	33
26	49	23	23	22	26	38	50	297	66	78	76	33
27	49	23	23	22	26	37	50	297	66	78	76	33
28	49	23	23	22	26	38	50	297	66	78	76	33
29	49	23	23	22	---	39	50	306	66	78	76	33
30	50	23	23	22	---	40	50	568	66	78	77	33
31	50	---	23	22	---	40	---	729	---	79	77	---
TOTAL	1669	697	720	686	634	1027	1541	12323	6637	2343	2396	1714
MEAN	53.8	23.2	23.2	22.1	22.6	33.1	51.4	398	221	75.6	77.3	57.1
AC-FT	3310	1380	1430	1360	1260	2040	3060	24440	13160	4650	4750	3400
MAX	227	33	24	23	26	42	53	1880	789	79	81	77
MIN	40	22	23	22	22	26	40	49	65	66	76	33

CAL YR	2006	TOTAL	16043	MEAN	44.0	MAX	227	MIN	21	AC-FT	31820
WTR YR	2007	TOTAL	32387	MEAN	88.7	MAX	1880	MIN	22	AC-FT	64240

MAX DISCH: 2280 CFS AT 23:30 ON May. 15, 2007 GH 5.71 FT. SHIFT -0.09 FT.
MAX GH: 5.71 FT. AT 23:30 ON May. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'35", in NW¼NE¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with a Sutron Satlink 2 HDR DCP on separate floats in a concrete shelter and well at a 12-foot Parshall Flume.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--BLADIVCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

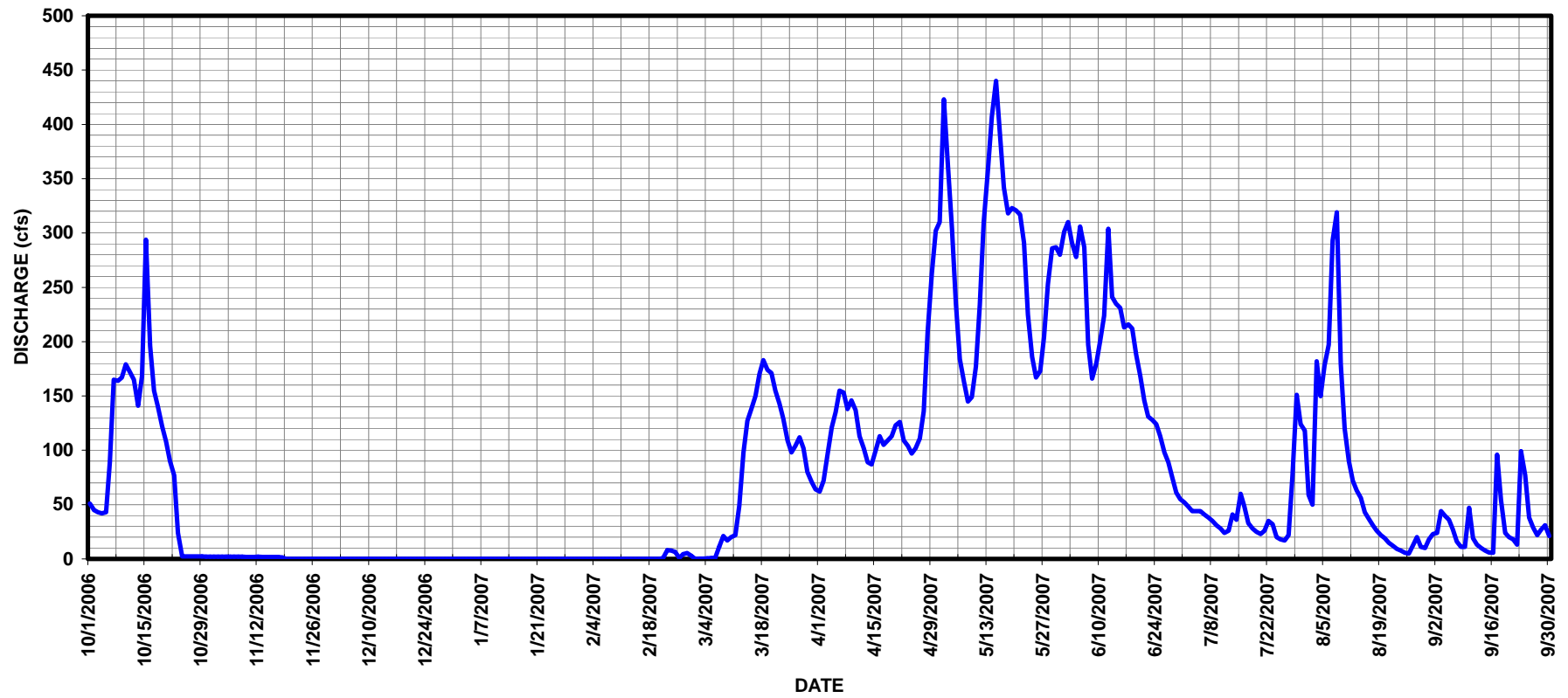
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	2.0	0	0	0	.11	62	310	301	52	59	23
2	45	2.0	0	0	0	.36	72	423	310	48	50	24
3	43	2.0	0	0	0	.23	96	364	291	44	182	44
4	42	2.0	0	0	0	.64	121	304	278	44	150	40
5	43	2.0	0	0	0	.80	135	235	306	44	178	36
6	89	2.0	0	0	0	1.0	155	184	287	41	197	27
7	165	2.0	0	0	0	11	153	163	197	38	293	16
8	164	2.0	0	0	0	21	138	145	166	35	319	11
9	167	1.9	0	0	0	17	146	149	180	31	180	11
10	179	1.9	0	0	0	20	137	177	201	28	120	47
11	172	1.9	0	0	0	22	113	234	224	24	90	19
12	165	2.0	0	0	0	49	102	310	304	26	72	13
13	141	1.9	0	0	0	98	89	358	241	41	63	10
14	168	1.9	0	0	0	127	87	407	235	36	56	7.7
15	294	1.8	0	0	0	138	100	440	231	60	43	6.0
16	196	1.9	0	0	0	150	113	391	213	48	37	5.6
17	155	1.9	0	0	0	170	105	342	216	33	31	96
18	140	1.2	0	0	0	183	109	318	212	28	26	54
19	122	0	0	0	0	174	113	323	188	25	22	24
20	108	0	0	0	0	171	123	321	168	23	19	20
21	90	0	0	0	.80	155	126	317	146	26	15	18
22	77	0	0	0	7.9	143	109	291	131	35	12	13
23	24	0	0	0	7.7	129	104	225	128	32	9.3	99
24	2.4	0	0	0	6.5	109	97	186	124	20	7.7	77
25	2.3	0	0	0	.92	98	102	167	113	18	5.6	38
26	2.2	0	0	0	4.4	104	111	173	98	17	5.0	29
27	2.2	0	0	0	5.3	112	136	204	89	22	12	22
28	2.2	0	0	0	2.8	102	209	253	74	77	20	27
29	2.2	0	0	0	---	80	263	286	61	151	11	31
30	2.1	0	0	0	---	71	302	287	55	124	10	21
31	2.1	---	0	0	---	64	---	280	---	118	18	---
TOTAL	2857.7	34.3	0	0	36.32	2521.14	3828	8567	5768	1389	2312.6	909.3
MEAN	92.2	1.14	0	0	1.30	81.3	128	276	192	44.8	74.6	30.3
AC-FT	5670	68	0	0	72	5000	7590	16990	11440	2760	4590	1800
MAX	294	2.0	0	0	7.9	183	302	440	310	151	319	99
MIN	2.1	0	0	0	0	.11	62	145	55	17	5.0	5.6

CAL YR	2006	TOTAL	19880.48	MEAN	54.5	MAX	308	MIN	0	AC-FT	39430
WTR YR	2007	TOTAL	28223.36	MEAN	77.3	MAX	440	MIN	0	AC-FT	55980

MAX DISCH: 596 CFS AT 17:00 ON Aug. 7, 2007 GH 4.91 FT. SHIFT 0 FT.
MAX GH: 4.91 FT. AT 17:00 ON Aug. 7, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BLANCO DIVERSION NEAR PAGOSA SPRINGS CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'42", in NW¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 250 ft downstream from Blanco Diversion Dam, 1.1 mi downstream from Leche Creek, and 12 mi southeast of Pagosa Springs.

DRAINAGE AREA AND PERIOD OF RECORD.--69.1 mi². March 1971 to current year.

GAGE.--Graphic water-stage recorder with a Sutron Satlink 2 HDR DCP and shaft encoder on separate floats in a concrete shelter and well. Control is an 4-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. Electric drop tape is the primary reference gage with a supplemental outside staff gage. The DCP is the primary record. Datum of gage is 7,858.04 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Bureau of Reclamation).

REMARKS.--Record from the DCP is complete. Any data missing from the initial satellite transmissions was filled in from the DCP's logger files. Movement of the shaft encoder float is restricted above 4.43 ft. Chart record data are used when gage height exceeds 4.43 ft without loss of accuracy. The record is reliable, except for the following periods when the stage-discharge relationship was affected by ice: Nov. 30, Dec. 1-16, 21-27 and 31, 2006; Jan. 1-4, 6-19, and 21-31, Feb. 1-9, 15-18, Mar 2-7, 2007. Record good, except for estimated daily discharges, which are poor. Oct. 7, 2006; May 14; Aug. 3, 4, 7, 2007, and the instantaneous peak flow should be considered poor as well since the average daily flows and the peak exceeded the highest measured flow this year by 200%. Station maintained and record developed by Cheston Hart.

RATING TABLE.--RIOBLACO06 USED FROM 01-OCT-2006 TO 30-SEP-2007

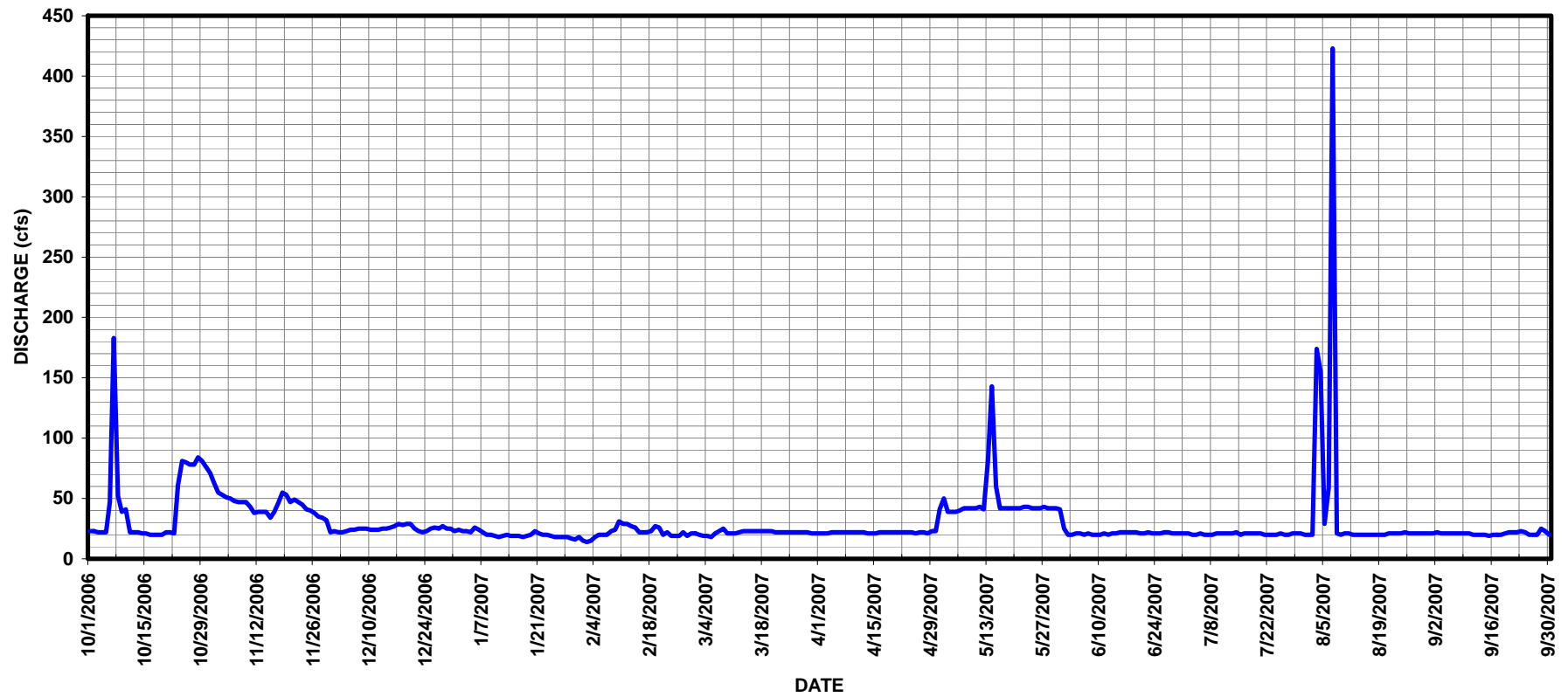
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	63	23e	24e	15e	21	21	41	25	21	20	21
2	23	55	22e	23e	14e	20e	21	50	20	21	20	22
3	22	53	22e	23e	15e	19e	21	39	20	20	174	21
4	22	51	23e	22e	18e	19e	22	39	21	20	155	21
5	22	50	24e	26	20e	18e	22	39	21	21	29	21
6	47	48	24e	24e	20e	21e	22	40	20	20	59	21
7	183	47	25e	22e	20e	23e	22	42	21	20	423	21
8	52	47	25e	20e	23e	25	22	42	20	20	21	21
9	39	47	25e	20e	24e	21	22	42	20	21	20	21
10	41	43	24e	19e	31	21	22	42	20	21	21	21
11	22	38	24e	18e	29	21	22	43	21	21	21	20
12	22	39	24e	19e	29	22	22	41	20	21	20	20
13	22	39	25e	20e	27	23	21	81	21	21	20	20
14	21	39	25e	19e	26	23	21	143	21	22	20	20
15	21	34	26e	19e	22e	23	21	60	22	20	20	19
16	20	39	27e	19e	22e	23	22	42	22	21	20	20
17	20	46	29	18e	22e	23	22	42	22	21	20	20
18	20	55	28	19e	23e	23	22	42	22	21	20	20
19	20	53	29	20e	27	23	22	42	22	21	20	21
20	22	47	29	23	26	23	22	42	21	21	20	22
21	22	49	25e	21e	20	22	22	42	21	20	21	22
22	21	47	23e	20e	22	22	22	43	22	20	21	22
23	61	45	22e	20e	19	22	22	43	21	20	21	23
24	81	41	23e	19e	19	22	22	42	21	20	21	22
25	80	40	25e	18e	19	22	21	42	21	21	22	20
26	78	38	26e	18e	22	22	22	42	22	20	21	20
27	78	35	25e	18e	19	22	22	43	22	20	21	20
28	84	34	27	18e	21	22	21	42	21	21	21	25
29	81	32	25	17e	---	22	23	42	21	21	21	23
30	76	22e	25	16e	---	21	23	42	21	21	21	20
31	71	---	23e	18e	---	21	---	41	---	20	21	---
TOTAL	1417	1316	772	620	614	675	654	1458	635	639	1375	630
MEAN	45.7	43.9	24.9	20.0	21.9	21.8	21.8	47.0	21.2	20.6	44.4	21.0
AC-FT	2810	2610	1530	1230	1220	1340	1300	2890	1260	1270	2730	1250
MAX	183	63	29	26	31	25	23	143	25	22	423	25
MIN	20	22	22	16	14	18	21	39	20	20	20	19
CAL YR	2006	TOTAL	9627	MEAN	26.4	MAX	183	MIN	12	AC-FT	19100	
WTR YR	2007	TOTAL	10805	MEAN	29.6	MAX	423	MIN	14	AC-FT	21430	

MAX DISCH: 2380 CFS AT 17:45 ON Aug. 3, 2007 GH 4.93 FT. SHIFT 0 FT.
MAX GH: 4.93 FT. AT 17:45 ON Aug. 3, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA SPRINGS CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Graphic water-stage recorder and a Sutron SatLink 2 HDR DCP with shaft encoder on separate floats in a 42 inch CMP shelter and well. The primary reference gage is a steel drop tape referenced to an adjustable reference point on the instrument shelf. A new 48" corrugated well was installed on September 18, 2007 approximately 40-ft. downstream of the existing gage. A new wooden shelter was installed in October 2007. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 4-31, 2006; Jan. 1-31; Feb. 1-28; Mar. 1-13, 2007, when the stage-discharge relationship was affected by ice; Aug. 8-19, 2007, when the inlets were plugged; and, Sep. 13-18, 2007, when a stream restoration project changed the control. Record fair, except for those periods of ice affect, plugged inlets, and installation of boulders below the gage. These should be considered poor. Station maintained by Val Valentine and Cheston Hart. Record developed by Brian Boughton.

RATING TABLE.--RIOMOU003 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

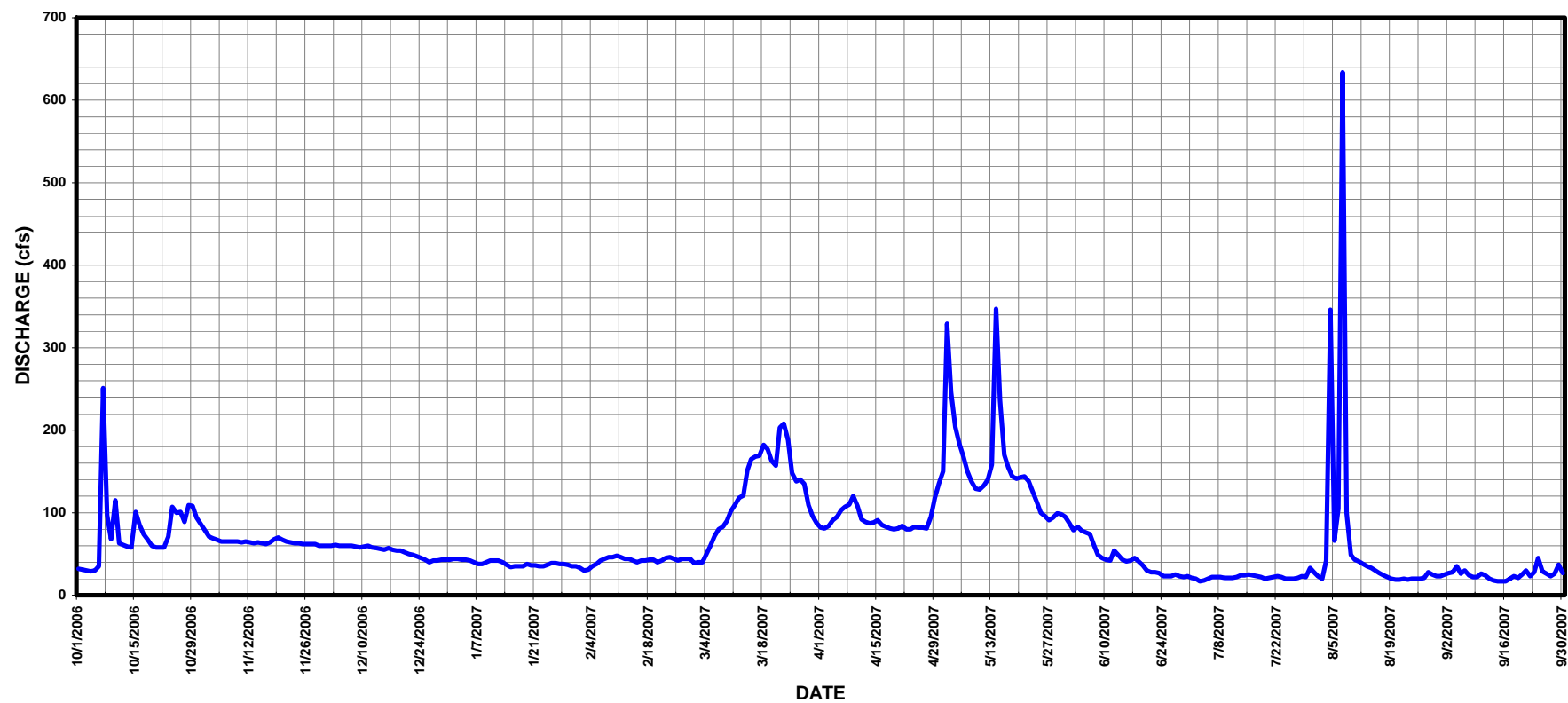
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	79	60	44e	33e	39e	82	150	87	21	23	25
2	31	71	60	44e	30e	40e	81	329	79	20	20	27
3	30	69	61	43e	31e	40e	84	246	83	17	42	28
4	29	67	60e	43e	35e	50e	91	204	78	18	346	35
5	30	65	60e	42e	38e	60e	95	184	76	20	66	26
6	35	65	60e	40e	42e	72e	103	168	74	22	105	30
7	251	65	60e	38e	44e	80e	107	150	61	22	634	24
8	97	65	59e	38e	46e	83e	110	138	49	22	100	22
9	68	65	58e	40e	46e	90e	120	129	45	21	49	22
10	115	64	59e	42e	48e	102e	108	128	43	21	43	26
11	63	65	60e	42e	46e	110e	92	133	42	21	41	24
12	61	64	58e	42e	44e	118e	89	140	54	22	38	20
13	59	63	57e	40e	44e	121e	87	158	49	24	35	18
14	58	64	56e	37e	42e	151	88	347	43	24	33	17
15	101	63	55e	34e	40e	165	91	236	41	25	30	17
16	85	62	57e	35e	42e	168	85	170	42	24	27	17
17	74	64	55e	35e	42e	169	83	155	45	23	24	20
18	67	68	54e	35e	43e	182	81	144	41	22	22	23
19	60	70	54e	38e	43e	177	80	141	36	20	20	21
20	58	67	52e	36e	40e	163	81	143	30	21	19	25
21	58	65	50e	36e	42e	157	84	144	28	22	19	30
22	58	64	49e	35e	45e	203	80	138	28	23	20	23
23	71	63	47e	35e	46e	208	80	126	27	22	19	28
24	107	63	45e	37e	44e	188	83	113	23	20	20	45
25	100	62	43e	39e	42e	148	82	100	23	20	20	29
26	101	62	40e	39e	44e	138	82	96	23	20	20	26
27	89	62	42e	38e	44e	140	81	91	25	21	21	23
28	109	62	42e	38e	44e	135	95	94	23	23	28	26
29	108	60	43e	37e	---	109	118	99	22	22	25	37
30	94	60	43e	35e	---	96	135	98	23	33	23	27
31	86	---	43e	35e	---	87	---	95	---	28	23	---
TOTAL	2385	1948	1642	1192	1170	3789	2758	4787	1343	684	1955	761
MEAN	76.9	64.9	53.0	38.5	41.8	122	91.9	154	44.8	22.1	63.1	25.4
AC-FT	4730	3860	3260	2360	2320	7520	5470	9500	2660	1360	3880	1510
MAX	251	79	61	44	48	208	135	347	87	33	634	45
MIN	29	60	40	34	30	39	80	91	22	17	19	17

CAL YR	2006	TOTAL	14746	MEAN	40.4	MAX	251	MIN	16	AC-FT	29250
WTR YR	2007	TOTAL	24414	MEAN	66.9	MAX	634	MIN	17	AC-FT	48430

MAX DISCH: 2320 CFS AT 08:00 ON Aug. 7, 2007 GH 5.12 FT. SHIFT -0.16 FT.
MAX GH: 5.12 FT. AT 08:00 ON Aug. 7, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

RIO BLANCO AT MOUTH NEAR TRUJILLO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO

LOCATION.--Lat 37°05'07", long 106°41'20", in SE¼NW¼ sec. 24, T.33 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on right bank at downstream side of private bridge on Banded Peak Ranch, 0.5 mi downstream from Cutthroat Creek, 2.8 mi downstream from East Fork of the Navajo River, and 11.2 mi northeast of Chromo, Co.

DRAINAGE AREA.--69.8 mi².

GAGE.--Graphic water stage-recorder and a Sutron SatLink 2 HDR DCP in a 48-inch wood shelter and well. The primary reference gage is a drop tape in the well. An air temperature sensor was installed on November 2, 2006. A Sutron AccuBubbler was installed on July 30, 2007 for reference purposes when the intakes get clogged. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is complete. It is reliable, except for the following periods: Oct. 9-11 2006; Mar. 19-22; Apr. 30; May 1, 13-16, 2007, when the inlets were plugged; Dec. 1-5, 8, 9, 13, 21-26, 31 2006; Jan. 1-4, 6-10, 15-19, 22-30; Feb. 1-6, 15-18, 21-25; Mar. 1-6, 2007, when the stage-discharge relationship was affected by ice; and, Aug. 20-23, 2007, when firmware in the Satlink 2 was upgraded and caused the shaft encoder to reverse. Record fair, except for the days on which ice affected the stage-discharge relationship and sand and gravel plugged the inlets, which should be considered poor. Station maintained and record developed by Cheston Hart.

RATING TABLE.--NAVBANCO23 USED FROM 01-OCT-2006 TO 30-SEP-2007

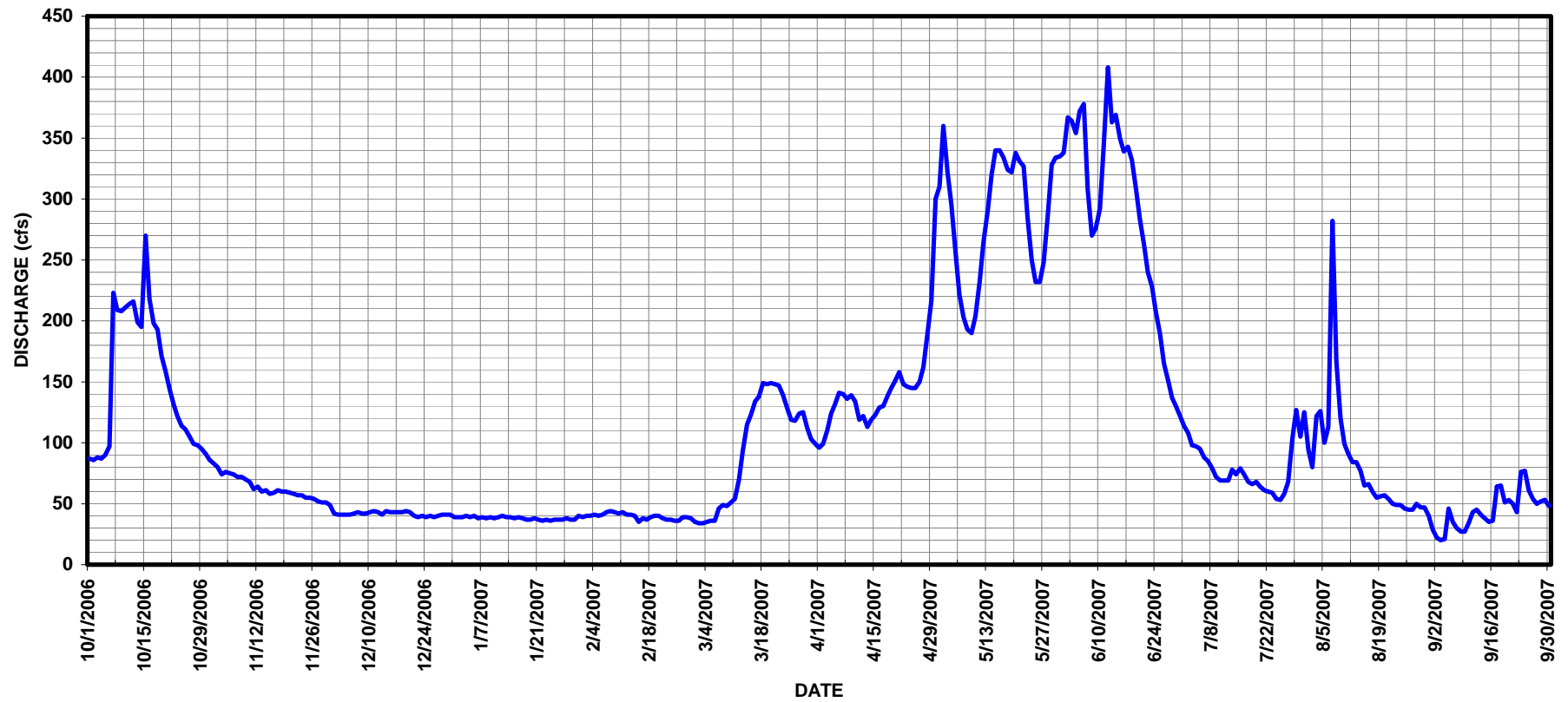
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	83	42e	39e	39e	35e	96	310e	338	114	94	29
2	86	80	41e	39e	40e	34e	99	360	367	108	80	22
3	88	74	41e	40e	40e	34e	110	322	364	98	122	20
4	87	76	41e	39e	41e	35e	124	295	354	97	126	21
5	90	75	41e	40	40e	36e	132	257	372	95	100	46
6	97	74	42	38e	41e	36e	141	222	378	88	113	35
7	223	72	43	39e	43	46	140	203	308	85	282	30
8	209	72	42e	38e	44	49	136	193	270	79	167	27
9	208e	70	42e	39e	43	48	139	190	276	72	120	27
10	211e	68	43	38e	42	51	134	204	292	69	99	34
11	214e	62	44	39	43	54	119	232	345	69	91	43
12	216	64	43	40	41	70	122	265	408	69	84	45
13	199	60	41e	39	41	94	113	290e	363	78	84	41
14	195	61	44	39	40	115	119	320e	369	74	77	38
15	270	58	43	38e	35e	123	123	340e	350	79	65	35
16	218	59	43	39e	38e	134	129	340e	339	74	66	36
17	198	61	43	38e	37e	138	130	334	343	68	60	64
18	193	60	43	37e	39e	149	138	324	332	66	55	65
19	171	60	44	37e	40	148e	145	322	308	68	56	51
20	159	59	43	38	40	149e	151	338	284	64	57	53
21	144	58	40e	37	38e	148e	158	331	263	61	54	50
22	132	57	39e	36e	37e	147e	148	327	240	60	50	43
23	122	57	40e	37e	37e	139	146	285	228	59	49	76
24	114	55	39e	36e	36e	129	145	250	207	54	49	77
25	111	55	40e	37e	36e	119	145	232	189	53	46	61
26	105	54	39e	37e	39	118	150	232	165	58	45	54
27	99	52	40	37e	39	124	162	248	151	68	45	50
28	98	51	41	38e	38	125	190	287	137	103	50	52
29	95	51	41	37e	---	112	217	328	130	127	47	53
30	91	49	41	37e	---	103	300e	334	122	105	47	48
31	86	---	39e	40	---	99	---	335	---	125	40	---
TOTAL	4616	1887	1288	1182	1107	2941	4301	8850	8592	2487	2520	1326
MEAN	149	62.9	41.5	38.1	39.5	94.9	143	285	286	80.2	81.3	44.2
AC-FT	9160	3740	2550	2340	2200	5830	8530	17550	17040	4930	5000	2630
MAX	270	83	44	40	44	149	300	360	408	127	282	77
MIN	86	49	39	36	35	34	96	190	122	53	40	20
CAL YR 2006	TOTAL	34251	MEAN	93.8	MAX	417	MIN	33	AC-FT	67940		
WTR YR 2007	TOTAL	41097	MEAN	113	MAX	408	MIN	20	AC-FT	81520		

MAX DISCH: 529 CFS AT 02:00 ON Aug. 7, 2007 GH 3.60 FT. SHIFT -0.24 FT.
MAX GH: 3.60 FT. AT 02:00 ON Aug. 7, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09344000 NAVAJO RIVER AT BANDED PEAK RANCH NEAR CHROMO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NE¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and a Sutron Satlink 2 HDR DCP on separate floats in a concrete shelter and well at a 15-foot Parshall Flume.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.-- OSODIVCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	0	0	0	0	.37	92	214	304	50	67	0
2	43	0	0	0	0	0	96	344	339	43	33	0
3	52	0	0	0	0	0	108	286	334	35	84	0
4	57	0	0	0	0	.38	131	253	316	37	103	0
5	56	0	0	0	0	1.0	147	209	338	36	78	4.6
6	67	0	0	0	0	4.4	161	166	357	29	81	.55
7	282	0	0	0	0	5.7	165	138	262	24	248	0
8	210	0	0	0	.32	17	167	123	206	21	128	0
9	207	0	0	0	.29	19	168	115	200	14	64	0
10	241	0	0	0	0	25	153	131	213	11	51	0
11	196	0	0	0	0	31	125	168	263	10	36	0
12	178	0	0	0	0	56	121	209	346	11	33	0
13	166	0	0	0	0	98	113	258	299	16	27	.41
14	164	0	0	0	0	139	114	320	305	12	31	.82
15	280	0	0	0	.82	165	122	347	291	15	15	.82
16	215	0	0	0	.82	181	124	319	281	18	11	.82
17	186	0	0	0	.85	201	124	287	280	13	12	.82
18	165	0	0	0	1.0	227	125	266	288	12	9.1	.82
19	139	0	0	0	1.3	225	131	268	247	8.3	8.0	.82
20	129	0	0	0	11	217	135	286	215	8.4	7.3	.38
21	115	0	0	0	7.1	202	143	283	193	11	3.5	0
22	97	0	0	0	8.4	213	129	274	168	10	.92	0
23	29	0	0	0	8.8	210	123	223	161	9.1	.75	0
24	.73	0	0	0	8.4	177	127	180	141	3.7	.82	0
25	.64	0	0	0	1.3	148	123	152	126	3.2	.82	0
26	.64	0	0	0	7.9	145	127	146	105	4.5	.82	0
27	.64	0	0	0	8.1	153	132	163	90	14	.82	0
28	.72	0	0	0	4.6	146	166	207	74	41	.82	0
29	.82	0	0	0	---	114	214	251	67	90	.82	0
30	.37	0	0	0	---	104	237	265	59	72	.41	0
31	0	---	0	0	---	98	---	265	---	95	0	---
TOTAL	3315.56	0	0	0	71.00	3322.85	4143	7116	6868	777.2	1136.90	10.86
MEAN	107	0	0	0	2.54	107	138	230	229	25.1	36.7	.36
AC-FT	6580	0	0	0	141	6590	8220	14110	13620	1540	2260	22
MAX	282	0	0	0	11	227	237	347	357	95	248	4.6
MIN	0	0	0	0	0	0	92	115	59	3.2	0	0

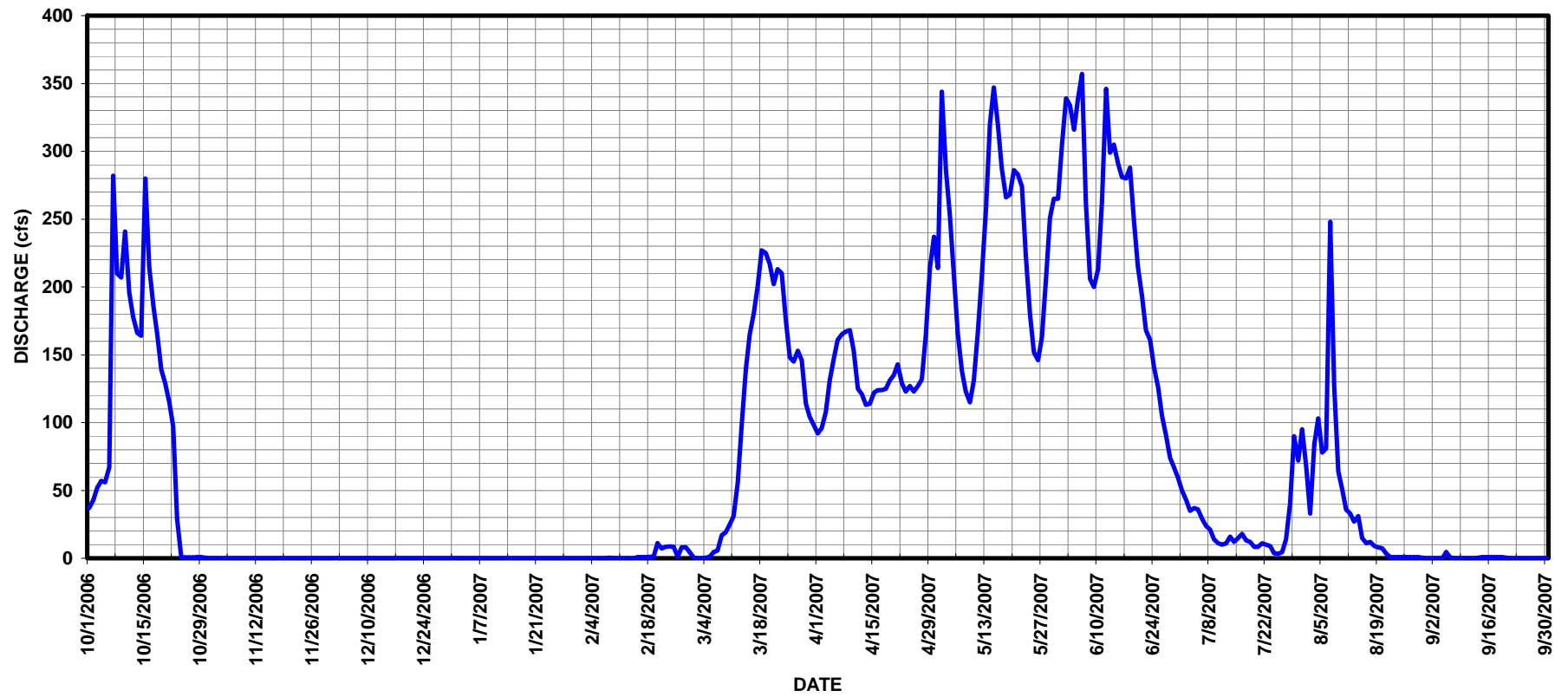
CAL YR	2006	TOTAL	17627.65	MEAN	48.3	MAX	308	MIN	0	AC-FT	34960
WTR YR	2007	TOTAL	26761.37	MEAN	73.3	MAX	357	MIN	0	AC-FT	53080

MAX DISCH: 525 CFS AT 06:45 ON Aug. 7, 2007 GH 3.97 FT. SHIFT 0 FT.

MAX GH: 3.97 FT. AT 06:45 ON Aug. 7, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

OSO DIVERSION NEAR CHROMO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NW¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 600 ft downstream from Oso Diversion Dam, 5.8 mi east of Chromo, and 6.1 mi upstream from Little Navajo River.

DRAINAGE AREA AND PERIOD OF RECORD.--100.5 mi². March 1971 to current year.

GAGE.--Graphic water-stage recorder with a Sutron SatLink 2 HDR DCP and shaft encoder on separate floats in a concrete shelter and well. Control is an 8-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. The primary reference gage is an electric drop tape in the gage shelter. The Parshall flume is equipped with a supplemental outside gage. The DCP is the primary record. Datum of gage is 7,665.30 ft above mean sea level.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP's logger files. The record is reliable, except for the following periods: Nov. 30, Dec 1-6, 12-14, 22-28, 2006; Jan 6-12, 15-22; March 1-4, 2007, when the stage-discharge relationship was affected by ice; and, Jan 23-31; Feb 1-15, 2007, when large amount of sand deposits below the flume submerged the flume. Record good, except for those periods when ice affected the record, or, when sand deposits below the flume caused submergence, which are poor. Station maintained and record developed by Cheston Hart.

RATING TABLE.--NAVOSOCO04 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

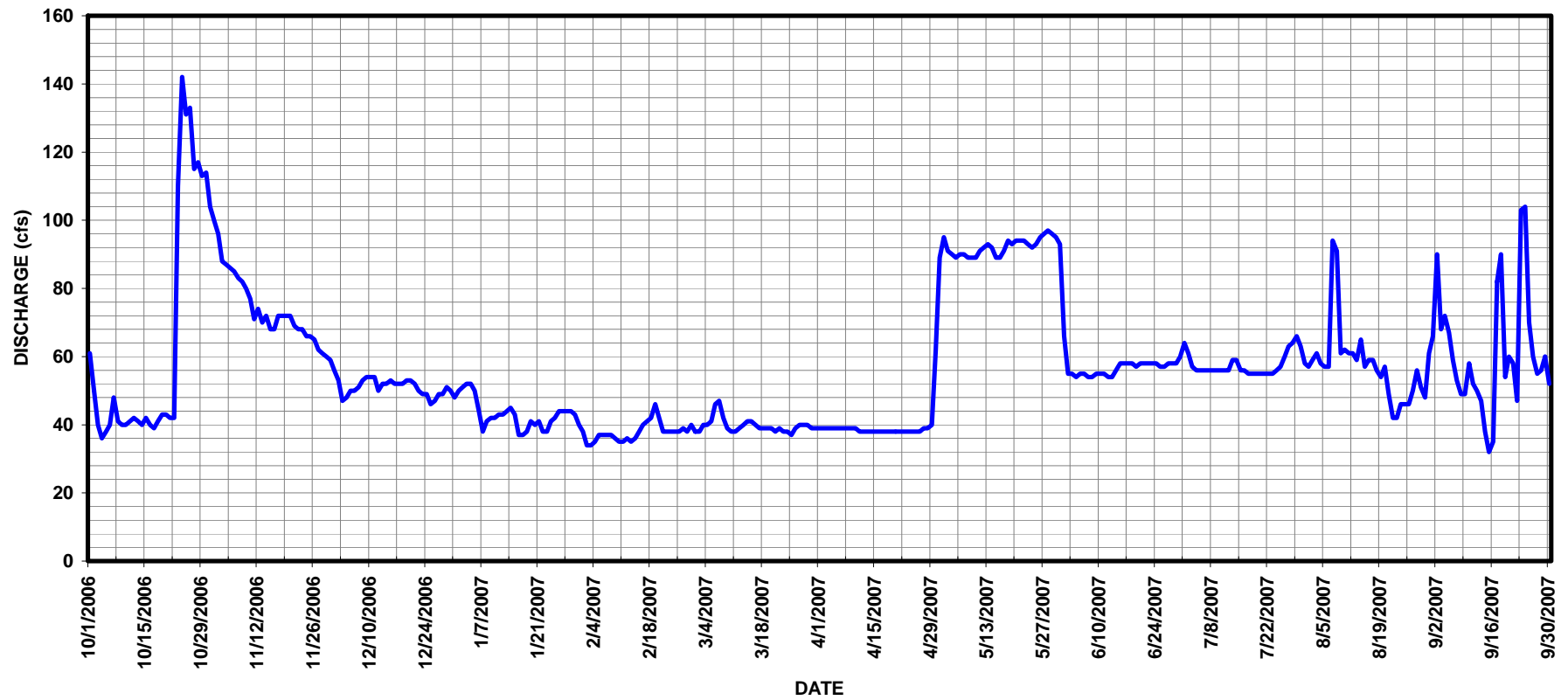
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	100	56e	50	38e	38e	39	89	66	64	57	66
2	50	96	53e	51	34e	38e	39	95	55	61	59	90
3	40	88	47e	52	34e	40e	39	91	55	57	61	68
4	36	87	48e	52	35e	40e	39	90	54	56	58	72
5	38	86	50e	50	37e	41	39	89	55	56	57	67
6	40	85	50e	44e	37e	46	39	90	55	56	57	59
7	48	83	51	38e	37e	47	39	90	54	56	94	53
8	41	82	53	41e	37e	42	39	89	54	56	91	49
9	40	80	54	42e	36e	39	39	89	55	56	61	49
10	40	77	54	42e	35e	38	39	89	55	56	62	58
11	41	71	54	43e	35e	38	38	91	55	56	61	52
12	42	74	50e	43e	36e	39	38	92	54	56	61	50
13	41	70	52e	44	35e	40	38	93	54	59	59	47
14	40	72	52e	45	36e	41	38	92	56	59	65	38
15	42	68	53	43e	38e	41	38	89	58	56	57	32
16	40	68	52	37e	40	40	38	89	58	56	59	35
17	39	72	52	37e	41	39	38	91	58	55	59	82
18	41	72	52	38e	42	39	38	94	58	55	56	90
19	43	72	53	41e	46	39	38	93	57	55	54	54
20	43	72	53	40e	42	39	38	94	58	55	57	60
21	42	69	52	41e	38	38	38	94	58	55	49	58
22	42	68	50e	38e	38	39	38	94	58	55	42	47
23	110	68	49e	38e	38	38	38	93	58	55	42	103
24	142	66	49e	41e	38	38	38	92	58	56	46	104
25	131	66	46e	42e	38	37	38	93	57	57	46	70
26	133	65	47e	44e	39	39	38	95	57	60	46	60
27	115	62	49e	44e	38	40	39	96	58	63	50	55
28	117	61	49e	44e	40	40	39	97	58	64	56	56
29	113	60	51	44e	---	40	40	96	58	66	51	60
30	114	59e	50	43e	---	39	62	95	60	63	48	52
31	104	---	48	40e	---	39	---	93	---	58	61	---
TOTAL	2009	2219	1579	1332	1058	1231	1178	2857	1704	1788	1782	1836
MEAN	64.8	74.0	50.9	43.0	37.8	39.7	39.3	92.2	56.8	57.7	57.5	61.2
AC-FT	3980	4400	3130	2640	2100	2440	2340	5670	3380	3550	3530	3640
MAX	142	100	56	52	46	47	62	97	66	66	94	104
MIN	36	59	46	37	34	37	38	89	54	55	42	32

CAL YR	2006	TOTAL	19947	MEAN	54.6	MAX	163	MIN	27	AC-FT	39560
WTR YR	2007	TOTAL	20573	MEAN	56.4	MAX	142	MIN	32	AC-FT	40810

MAX DISCH: 460 CFS AT 12:30 ON Sep. 6, 2007 GH 3.67 FT. SHIFT 0.07 FT.
MAX GH: 3.67 FT. AT 12:30 ON Sep. 6, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

LITTLE OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°04'32", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A. March 1971 to current year.

GAGE.--Graphic water-stage recorder with Sutron Satlink 2 HDR DCP on separate floats in a concrete shelter at a 6-foot Parshall Flume. The DCP is the primary record.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

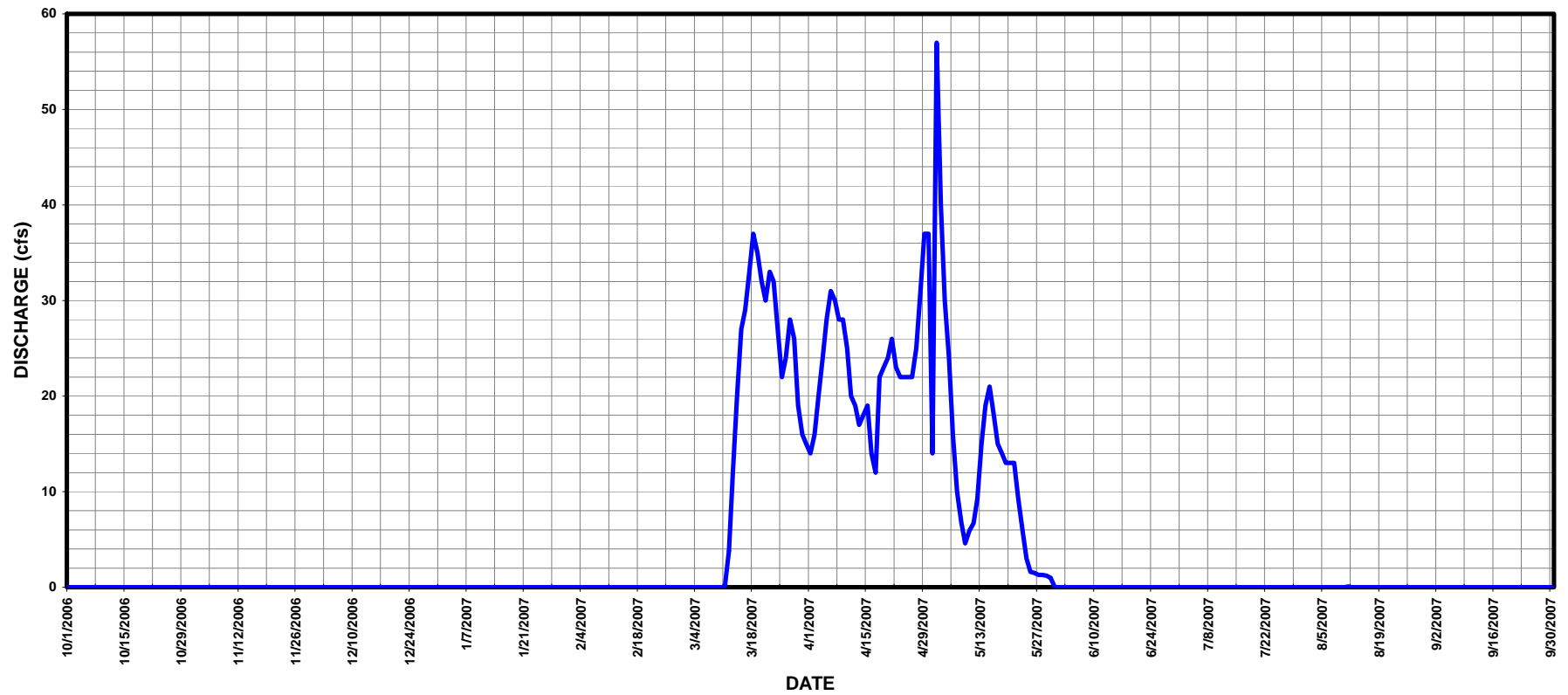
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	14	14	0	0	0	0
2	0	0	0	0	0	0	16	57	0	0	0	0
3	0	0	0	0	0	0	20	40	0	0	0	0
4	0	0	0	0	0	0	24	30	0	0	0	0
5	0	0	0	0	0	0	28	24	0	0	0	0
6	0	0	0	0	0	0	31	16	0	0	0	0
7	0	0	0	0	0	0	30	10	0	0	0	0
8	0	0	0	0	0	0	28	6.8	0	0	0	0
9	0	0	0	0	0	0	28	4.6	0	0	0	0
10	0	0	0	0	0	0	25	5.9	0	0	0	0
11	0	0	0	0	0	0	20	6.7	0	0	.05	0
12	0	0	0	0	0	3.8	19	9.2	0	0	0	0
13	0	0	0	0	0	12	17	15	0	0	0	0
14	0	0	0	0	0	20	18	19	0	0	0	0
15	0	0	0	0	0	27	19	21	0	0	0	0
16	0	0	0	0	0	29	14	18	0	0	0	0
17	0	0	0	0	0	33	12	15	0	0	0	0
18	0	0	0	0	0	37	22	14	0	0	0	0
19	0	0	0	0	0	35	23	13	0	0	0	0
20	0	0	0	0	0	32	24	13	0	0	0	0
21	0	0	0	0	0	30	26	13	0	0	0	0
22	0	0	0	0	0	33	23	9.4	0	0	0	0
23	0	0	0	0	0	32	22	6.1	0	0	0	0
24	0	0	0	0	0	27	22	3.0	0	0	0	0
25	0	0	0	0	0	22	22	1.6	0	0	0	0
26	0	0	0	0	0	24	22	1.5	0	0	0	0
27	0	0	0	0	0	28	25	1.3	0	0	0	0
28	0	0	0	0	0	26	31	1.3	0	0	0	0
29	0	0	0	0	---	19	37	1.2	0	0	0	0
30	0	0	0	0	---	16	37	.97	0	0	0	0
31	0	---	0	0	---	15	---	0	---	0	0	---
TOTAL	0	0	0	0	0	500.8	699	391.57	0	0	.05	0
MEAN	0	0	0	0	0	16.2	23.3	12.6	0	0	.002	0
AC-FT	0	0	0	0	0	993	1390	777	0	0	.1	0
MAX	0	0	0	0	0	37	37	57	0	0	.05	0
MIN	0	0	0	0	0	0	12	0	0	0	0	0

CAL YR	2006	TOTAL	548.3	MEAN	1.50	MAX	34	MIN	0	AC-FT	1090
WTR YR	2007	TOTAL	1591.42	MEAN	4.36	MAX	57	MIN	0	AC-FT	3160

MAX DISCH: 72.5 CFS AT 04:45 ON May. 2, 2007 GH 2.00 FT. SHIFT 0 FT.
MAX GH: 2.00 FT. AT 04:45 ON May. 2, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LITTLE OSO DIVERSION NEAR CHROMO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

09345200 LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO

LOCATION.--Lat 37°04'32", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County, on right bank downstream from Little Oso Diversion Dam.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A, December 5, 1996 to current year.

GAGE.--Graphic water stage-recorder and a Sutron SatLink 2 HDR DCP and shaft encoder on separate floats in a wooden shelter and concrete well. The primary reference gage is a drop tape in the gage. Supplemental outside staff gage. Control is a 5-foot Parshall flume set in concrete. The DCP is the primary record.

REMARKS.--The record is complete. Record is reliable, except for the following periods: Dec. 1-10, 2006; Jan. 13; Feb. 2, 3, 6-8, 15-18, 25; Mar. 1-9, 2007 when the stage-discharge relationship was affected by ice; and, Jan. 8-12, 14-22, 2007, when the floats were frozen in the well. Record fair, except for those periods of ice effect or when the well was froze, which are poor. Station maintained by Sherry Schutz and record developed by Cheston Hart.

RATING TABLE.--LITOSOCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

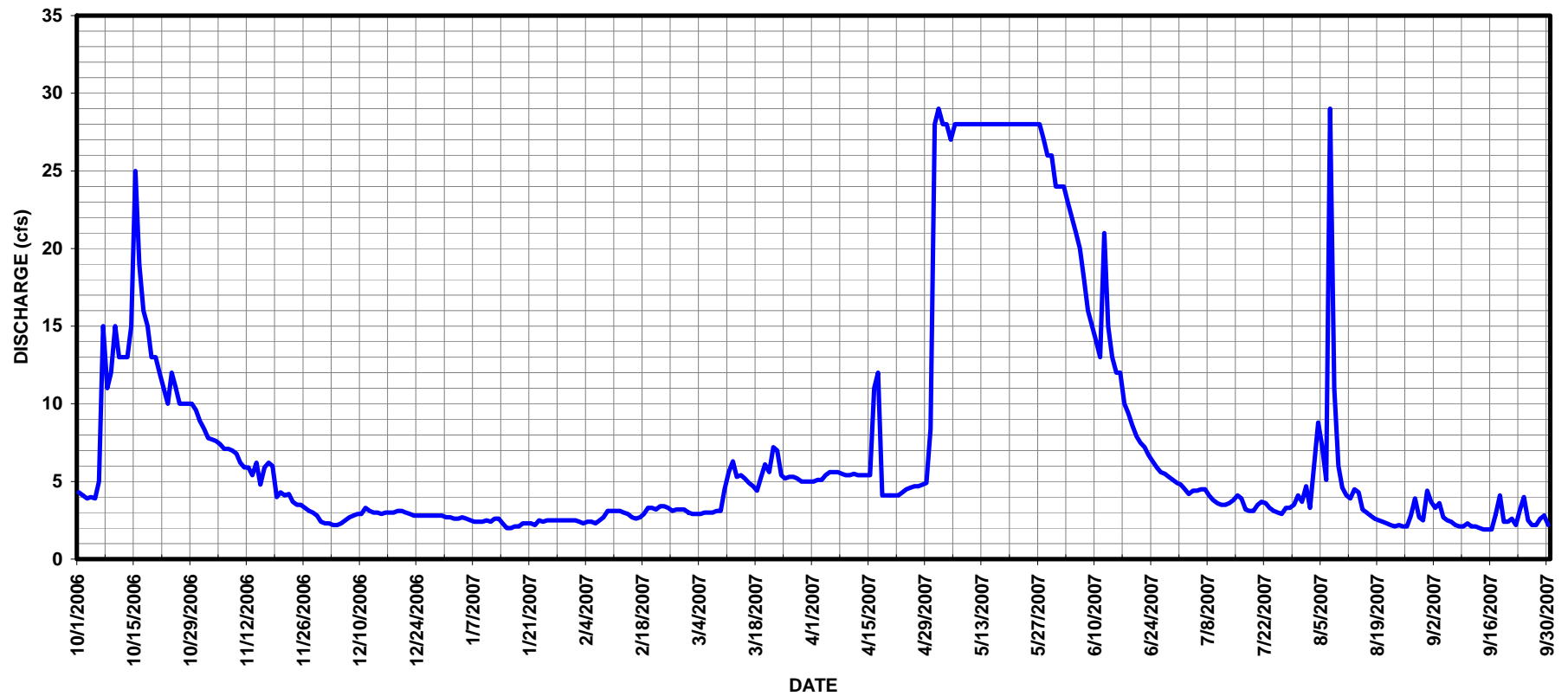
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	8.4	2.3e	2.7	2.5	3.0e	5.0	28	24	4.8	4.7	3.7
2	4.1	7.8	2.3e	2.6	2.4e	2.9e	5.1	29	24	4.5	3.3	3.3
3	3.9	7.7	2.2e	2.6	2.3e	2.9e	5.1	28	23	4.2	6.0	3.6
4	4.0	7.6	2.2e	2.7	2.4	2.9e	5.4	28	22	4.4	8.8	2.7
5	3.9	7.4	2.3e	2.6	2.4	3.0e	5.6	27	21	4.4	7.3	2.5
6	5.0	7.1	2.5e	2.5	2.3e	3.0e	5.6	28	20	4.5	5.1	2.4
7	15	7.1	2.7e	2.4	2.5e	3.0e	5.6	28	18	4.5	29	2.2
8	11	7.0	2.8e	2.4e	2.7e	3.1e	5.5	28	16	4.1	11	2.1
9	12	6.8	2.9e	2.4e	3.1	3.1e	5.4	28	15	3.8	6.0	2.1
10	15	6.2	2.9e	2.5e	3.1	4.5	5.4	28	14	3.6	4.6	2.3
11	13	5.9	3.3	2.4e	3.1	5.6	5.5	28	13	3.5	4.1	2.1
12	13	5.9	3.1	2.6e	3.1	6.3	5.4	28	21	3.5	3.9	2.1
13	13	5.4	3.0	2.6e	3.0	5.3	5.4	28	15	3.6	4.5	2.0
14	15	6.2	3.0	2.3e	2.9	5.4	5.4	28	13	3.8	4.3	1.9
15	25	4.8	2.9	2.0e	2.7e	5.2	5.4	28	12	4.1	3.2	1.9
16	19	5.9	3.0	2.0e	2.6e	4.9	11	28	12	3.9	3.0	1.9
17	16	6.2	3.0	2.1e	2.7e	4.7	12	28	10	3.2	2.8	2.9
18	15	6.0	3.0	2.1e	2.9e	4.4	4.1	28	9.4	3.1	2.6	4.1
19	13	4.0	3.1	2.3e	3.3	5.3	4.1	28	8.6	3.1	2.5	2.4
20	13	4.3	3.1	2.3e	3.3	6.1	4.1	28	7.9	3.5	2.4	2.4
21	12	4.1	3.0	2.3e	3.2	5.6	4.1	28	7.5	3.7	2.3	2.6
22	11	4.2	2.9	2.2e	3.4	7.2	4.1	28	7.2	3.6	2.2	2.2
23	10	3.7	2.8	2.5	3.4	7.0	4.3	28	6.7	3.3	2.1	3.2
24	12	3.5	2.8	2.4	3.3	5.4	4.5	28	6.3	3.1	2.2	4.0
25	11	3.5	2.8	2.5	3.1e	5.2	4.6	28	5.9	3.0	2.1	2.5
26	10	3.3	2.8	2.5	3.2	5.3	4.7	28	5.6	2.9	2.1	2.2
27	10	3.1	2.8	2.5	3.2	5.3	4.7	28	5.5	3.3	2.8	2.2
28	10	3.0	2.8	2.5	3.2	5.2	4.8	27	5.3	3.3	3.9	2.6
29	10	2.8	2.8	2.5	---	5.0	4.9	26	5.1	3.5	2.7	2.8
30	9.6	2.4	2.8	2.5	---	5.0	8.4	26	4.9	4.1	2.5	2.2
31	8.9	---	2.7	2.5	---	5.0	---	24	---	3.7	4.4	---
TOTAL	347.7	161.3	86.6	75.0	81.3	145.8	165.2	859	378.9	115.6	148.4	77.1
MEAN	11.2	5.38	2.79	2.42	2.90	4.70	5.51	27.7	12.6	3.73	4.79	2.57
AC-FT	690	320	172	149	161	289	328	1700	752	229	294	153
MAX	25	8.4	3.3	2.7	3.4	7.2	12	29	24	4.8	29	4.1
MIN	3.9	2.4	2.2	2.0	2.3	2.9	4.1	24	4.9	2.9	2.1	1.9

CAL YR	2006	TOTAL	1911.6	MEAN	5.24	MAX	30	MIN	1.0	AC-FT	3790
WTR YR	2007	TOTAL	2641.9	MEAN	7.24	MAX	29	MIN	1.9	AC-FT	5240

MAX DISCH: 85.1 CFS AT 01:00 ON Aug. 7, 2007 GH 2.50 FT. SHIFT -0.01 FT.
MAX GH: 2.50 FT. AT 01:00 ON Aug. 7, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09345200 LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

09362750 FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°25'36", long 107°40'28", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.**DRAINAGE AREA.**--50.9 mi².

GAGE.--Graphic water stage-recorder and a Sutron Satlink 2 HDR DCP with a shaft encoder on a separate float in a 72-inch by 72-inch exposed aggregate concrete shelter and a 42" corrugated metal pipe well. The floats are located inside of a 14 inch PVC oil cylinder. The DCP record is the primary record with chart record used for backup purposes. The station is also equipped with a Sutron air temperature sensor. The primary reference gage is an electric drop tape with a separate steel drop tape used when the well is frozen around the oil cylinder. The manned cableway was removed and a bank operated cableway was installed on May 3, 2007. On July 25, 2007 the floor grate over the stilling well was installed. Datum of gage is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--The record is complete and reliable, except for the following periods: Oct. 6-7, 2006, when the floats hung up on oil cylinder; Oct. 11-18, 2006, when the well intakes were plugged; Nov. 30; Dec. 1-4, 13-14, 19-25, 31, 2006; Jan. 2-3, 6-10, 15-19, 30-31; Feb. 1-4, 15-18; Mar. 1-4, 2007, when ice on the control affected the gage height; and, Jan. 20-29, 2007, when the well froze. Record good, except for estimated daily discharges, which are poor. Station maintained and record developed by Brian Boughton.

RATING TABLE.--FLOALECO07 USED FROM 01-OCT-2006 TO 30-SEP-2007DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

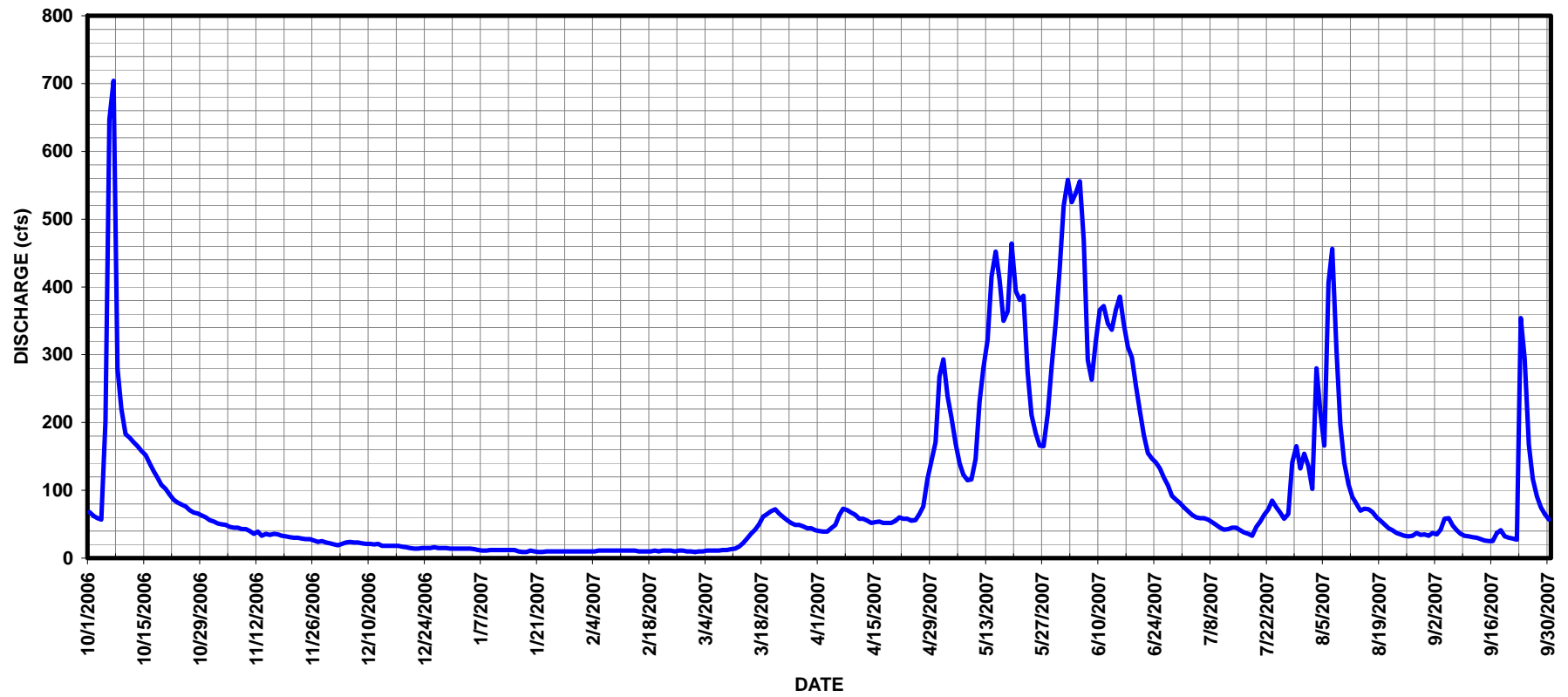
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	54	20e	14	10e	9.0e	40	268	519	75	136	37
2	62	51	19e	14e	10e	10e	39	293	558	69	102	35
3	59	50	21e	14e	10e	10e	39	239	525	64	280	42
4	57	49	23e	14	10e	11e	44	207	539	60	215	58
5	202	46	24	13	11	11	49	169	556	59	166	59
6	647	45	23	12e	11	11	63	140	469	59	406	48
7	704	45	23	11e	11	11	73	123	292	57	456	41
8	280	43	22	11e	11	12	71	115	263	53	308	36
9	220	43	21	12e	11	12	67	116	321	49	197	33
10	183	40	21	12e	11	13	64	146	366	45	141	32
11	178e	36	20	12	11	14	58	230	372	42	109	31
12	171e	39	21	12	11	17	58	281	346	43	90	30
13	165e	33	18e	12	11	22	55	322	337	45	80	28
14	158e	36	18e	12	11	29	52	415	367	45	70	26
15	152e	34	18	12e	10e	36	53	452	386	41	73	25
16	140e	36	18	10e	10e	42	54	410	345	38	72	25
17	128e	35	18	9.0e	10e	50	52	350	311	36	68	37
18	118e	33	17	9.0e	10e	61	52	364	296	33	60	41
19	108	32	16e	11e	11	65	52	464	253	46	55	32
20	102	31	15e	10e	10	69	55	394	216	54	50	30
21	94	30	14e	9.0e	11	72	60	381	181	64	44	29
22	86	30	14e	9.0e	11	66	58	387	155	72	41	27
23	82	29	15e	10e	11	61	58	274	147	85	37	354
24	79	28	15e	10e	10	56	55	211	141	75	35	294
25	76	28	15e	10e	11	52	56	184	132	67	33	167
26	71	26	16	10e	11	49	65	166	119	58	32	117
27	67	24	15	10e	10	49	76	165	107	65	33	91
28	66	25	15	10e	10	47	117	213	92	141	37	75
29	63	23	15	10e	---	44	143	283	86	165	34	65
30	60	22e	14	10e	---	44	171	349	81	132	35	57
31	56	---	14e	10e	---	41	---	428	---	154	33	---
TOTAL	4702	1076	558	344.0	296	1096.0	1949	8539	8878	2091	3528	2002
MEAN	152	35.9	18.0	11.1	10.6	35.4	65.0	275	296	67.5	114	66.7
AC-FT	9330	2130	1110	682	587	2170	3870	16940	17610	4150	7000	3970
MAX	704	54	24	14	11	72	171	464	558	165	456	354
MIN	56	22	14	9.0	10	9.0	39	115	81	33	32	25

CAL YR	2006	TOTAL	28486	MEAN	78.0	MAX	704	MIN	7.9	AC-FT	56500
WTR YR	2007	TOTAL	35059	MEAN	96.1	MAX	704	MIN	9.0	AC-FT	69540

MAX DISCH: 1590 CFS AT 00:30 ON Oct. 7, 2006 GH 4.52 FT. SHIFT -0.03 FT. (Estimated)
 MAX GH: 4.52 FT. AT 00:30 ON Oct. 7, 2006 (Estimated)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
 e-Estimated

09362750 FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with a Sutron Satlink 2 HDR DCP with a shaft encoder on a separate float in a 42" corrugated metal shelter and well and a concrete control. The primary reference gage is a steel drop tape in the gage. The DCP record is the primary record. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable. Record good. Diversions for irrigation of up to 80 acres upstream of gage. Flow regulated by Lemon Reservoir, capacity 40,100 acre feet. Station maintained and record developed by Brian Boughton.

RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-2006 TO 30-SEP-2007

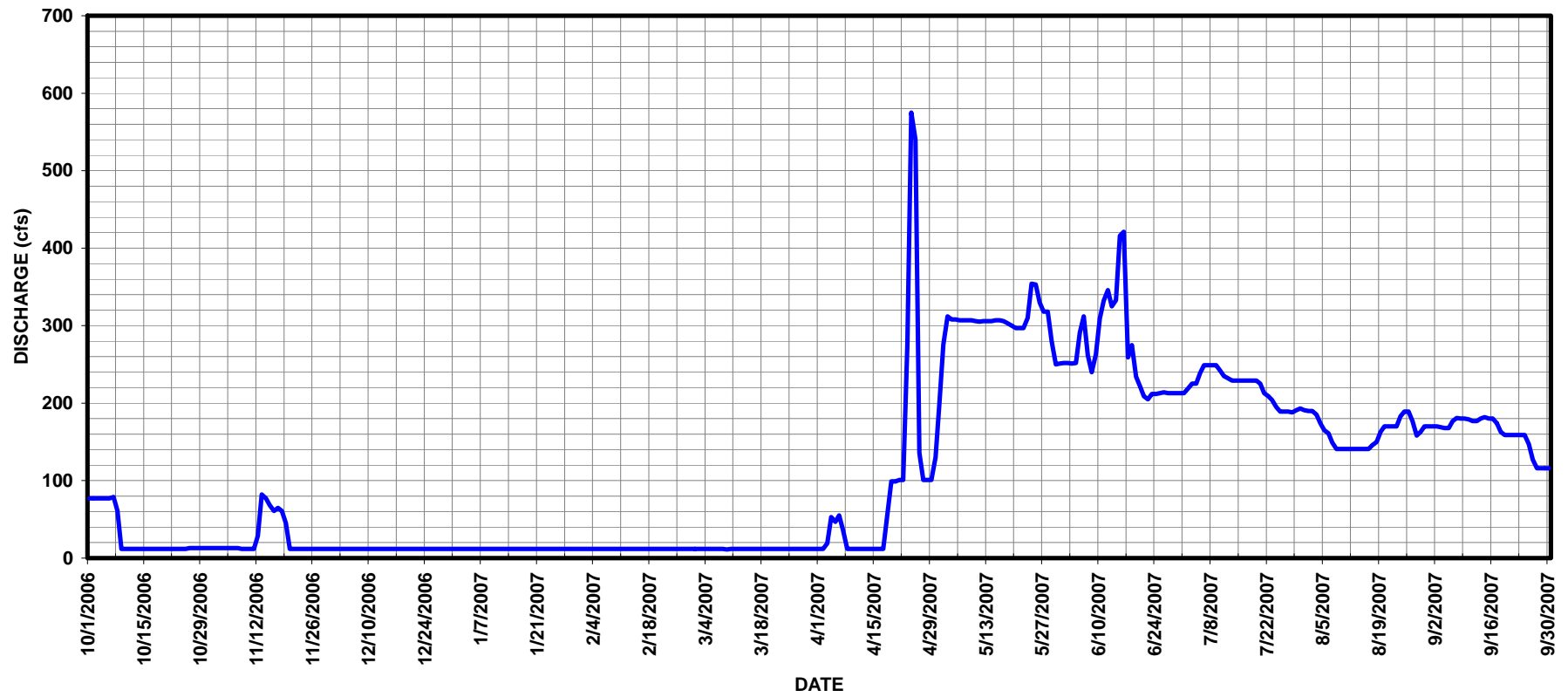
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	13	12	12	12	12	12	201	252	213	190	170
2	77	13	12	12	12	12	12	276	252	219	190	170
3	77	13	12	12	12	12	19	312	251	225	185	169
4	77	13	12	12	12	12	53	308	252	225	174	168
5	77	13	12	12	12	12	47	308	291	239	165	168
6	77	13	12	12	12	12	55	307	312	249	161	177
7	79	13	12	12	12	12	36	307	262	249	149	181
8	61	12	12	12	12	12	12	307	240	249	141	180
9	12	12	12	12	12	11	12	307	263	249	141	180
10	12	12	12	12	12	12	12	306	309	242	141	179
11	12	12	12	12	12	12	12	305	332	235	141	177
12	12	29	12	12	12	12	12	306	346	232	141	177
13	12	82	12	12	12	12	12	306	325	229	141	180
14	12	77	12	12	12	12	12	306	333	229	141	182
15	12	68	12	12	12	12	12	307	416	229	141	180
16	12	61	12	12	12	12	12	307	421	229	141	180
17	12	65	12	12	12	12	12	306	259	229	146	174
18	12	61	12	12	12	12	57	303	275	229	150	163
19	12	45	12	12	12	12	99	300	234	229	163	159
20	12	12	12	12	12	12	99	297	222	225	170	159
21	12	12	12	12	12	12	101	297	209	213	170	159
22	12	12	12	12	12	12	101	297	205	209	170	159
23	12	12	12	12	12	12	276	310	212	204	170	159
24	12	12	12	12	12	12	575	354	212	195	183	159
25	12	12	12	12	12	12	540	353	213	189	189	147
26	13	12	12	12	12	12	136	330	214	189	189	127
27	13	12	12	12	12	12	101	318	213	189	177	116
28	13	12	12	12	12	12	101	318	213	188	158	116
29	13	12	12	12	---	12	101	280	213	191	163	116
30	13	12	12	12	---	12	130	250	213	193	170	116
31	13	---	12	12	---	12	---	251	---	191	170	---
TOTAL	884	759	372	372	336	371	2771	9340	7964	6805	5021	4847
MEAN	28.5	25.3	12.0	12.0	12.0	12.0	92.4	301	265	220	162	162
AC-FT	1750	1510	738	738	666	736	5500	18530	15800	13500	9960	9610
MAX	79	82	12	12	12	12	575	354	421	249	190	182
MIN	12	12	12	12	12	11	12	201	205	188	141	116
CAL YR 2006	TOTAL	28008.4	MEAN	76.7	MAX	254	MIN	7.7	AC-FT	55550		
WTR YR 2007	TOTAL	39842	MEAN	109	MAX	575	MIN	11	AC-FT	79030		

MAX DISCH: 761 CFS AT 13:45 ON Apr. 25, 2007 GH 4.55 FT. SHIFT 0.03 FT.
MAX GH: 4.55 FT. AT 13:45 ON Apr. 25, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

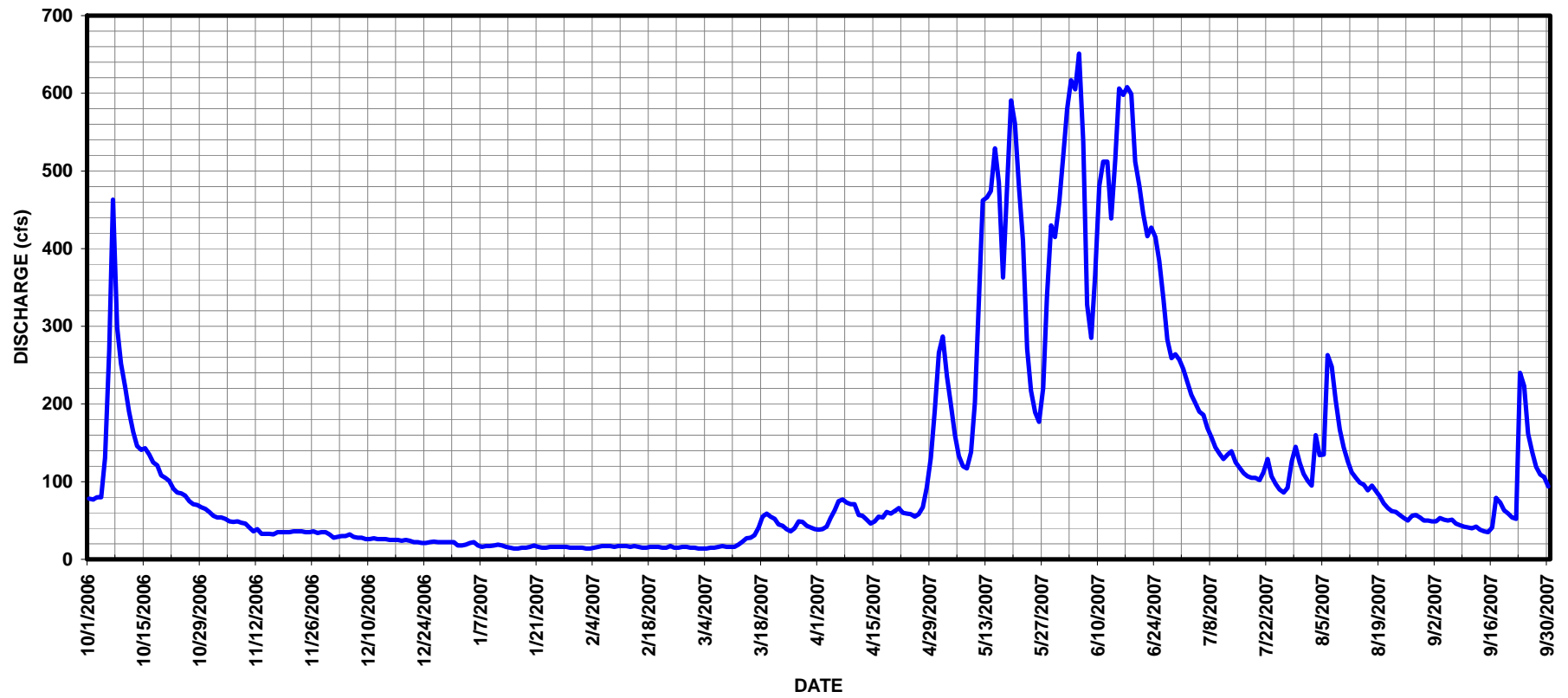
09357500 ANIMAS RIVER AT HOWARDSVILLE, CO

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.**DRAINAGE AREA.**--55.9 mi².**GAGE.**--Graphic water stage-recorder and a Sutron 8200 DCP with a shaft encoder on a separate float in a 36"x 36" wooden shelter and well. The DCP record is the primary record. The primary reference gage is a steel drop tape referenced to an adjustable reference point on the instrument shelf. A high data rate (HDR) Sutron Satlink 2 DCP was installed on August 22, 2007. An air temperature sensor was mounted to the antenna mast on the same day. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.**REMARKS.**--The record is complete. Record is reliable, except for the following periods when the stage-discharge relationship was affected by ice: Nov. 30; Dec. 1-4, 9-10, 12, 21-25 2006; Jan 1-3, 6-10, 12-19, 21-31; Feb 1-5, 9, 13, 15-18, 21-22, 24-25, 28; Mar 1-6, 2007. Record good, except for the winter period of ice effect, which is poor. Station maintained and record developed by Cheston Hart.**RATING TABLE.**--ANIHOWCO08 USED FROM 01-OCT-2006 TO 30-SEP-2007DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	56	28e	18e	15e	15e	38	266	516	245	101	49
2	77	54	29e	18e	14e	14e	39	287	580	228	95	49
3	80	54	30e	19e	14e	14e	42	236	617	212	160	53
4	80	52	30e	21	15e	14e	53	200	605	201	134	51
5	131	49	32	22	16e	15e	63	160	651	190	135	50
6	269	48	29	18e	17	15e	75	133	538	186	263	51
7	463	49	28	16e	17	16	77	120	328	169	248	46
8	299	47	28	17e	17	17	73	117	285	157	205	44
9	252	46	26e	17e	16e	16	71	138	366	144	167	42
10	222	41	26e	18e	17	16	71	202	481	136	144	41
11	190	36	27	19	17	16	57	335	512	129	126	40
12	164	39	26e	18e	17	19	56	462	512	135	112	42
13	146	33	26	16e	16e	23	51	466	439	139	105	38
14	141	33	26	15e	17	27	46	474	514	125	99	36
15	143	33	25	14e	16e	28	49	529	606	118	96	35
16	135	32	25	14e	15e	31	55	485	598	111	89	41
17	125	35	25	15e	15e	41	54	363	608	107	95	79
18	121	35	24	15e	16e	55	61	474	599	105	88	73
19	108	35	25	16e	16	59	59	591	512	105	81	63
20	105	35	24	18	16	55	62	561	481	102	72	59
21	101	36	22e	16e	15e	52	66	477	445	112	66	54
22	91	36	22e	15e	15e	45	60	410	416	129	62	52
23	86	36	21e	15e	17	43	59	271	427	107	61	240
24	85	35	21e	16e	15e	39	58	217	415	97	57	223
25	82	35	22e	16e	15e	36	55	189	384	90	53	162
26	75	36	23	16e	16	40	58	177	335	86	50	138
27	71	34	22	16e	16	49	67	221	283	92	56	119
28	70	35	22	16e	15e	48	92	338	259	126	57	109
29	67	35	22	15e	---	43	131	430	264	145	54	106
30	65	32e	22	15e	---	41	191	415	257	124	50	94
31	61	---	22	15e	---	39	---	458	---	110	50	---
TOTAL	4183	1192	780	515	443	981	1989	10202	13833	4262	3231	2279
MEAN	135	39.7	25.2	16.6	15.8	31.6	66.3	329	461	137	104	76.0
AC-FT	8300	2360	1550	1020	879	1950	3950	20240	27440	8450	6410	4520
MAX	463	56	32	22	17	59	191	591	651	245	263	240
MIN	61	32	21	14	14	14	38	117	257	86	50	35
CAL YR 2006	TOTAL	38074	MEAN	104	MAX	675	MIN	14	AC-FT	75520		
WTR YR 2007	TOTAL	43890	MEAN	120	MAX	651	MIN	14	AC-FT	87060		

MAX DISCH: 853 CFS AT 21:00 ON Jun. 15, 2007 GH 3.14 FT. SHIFT -0.01 FT.
MAX GH: 3.14 FT. AT 21:00 ON Jun. 15, 2007FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09357500 ANIMAS RIVER AT HOWARDSVILLE CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°19'26", long 108°03'41", in SE¼NW¼ sec. 3, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron Satlink DCP with a shaft encoder in a wood shelter and corrugated metal well at a a 5-foot concrete Parshall Flume. The DCP record is the primary record with satellite data used for backup purposes. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable. Record good. Station maintained by Matthew A. Schmitt. Record developed by Brian Boughton and Jason Morrow.

RATING TABLE.--LPCDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

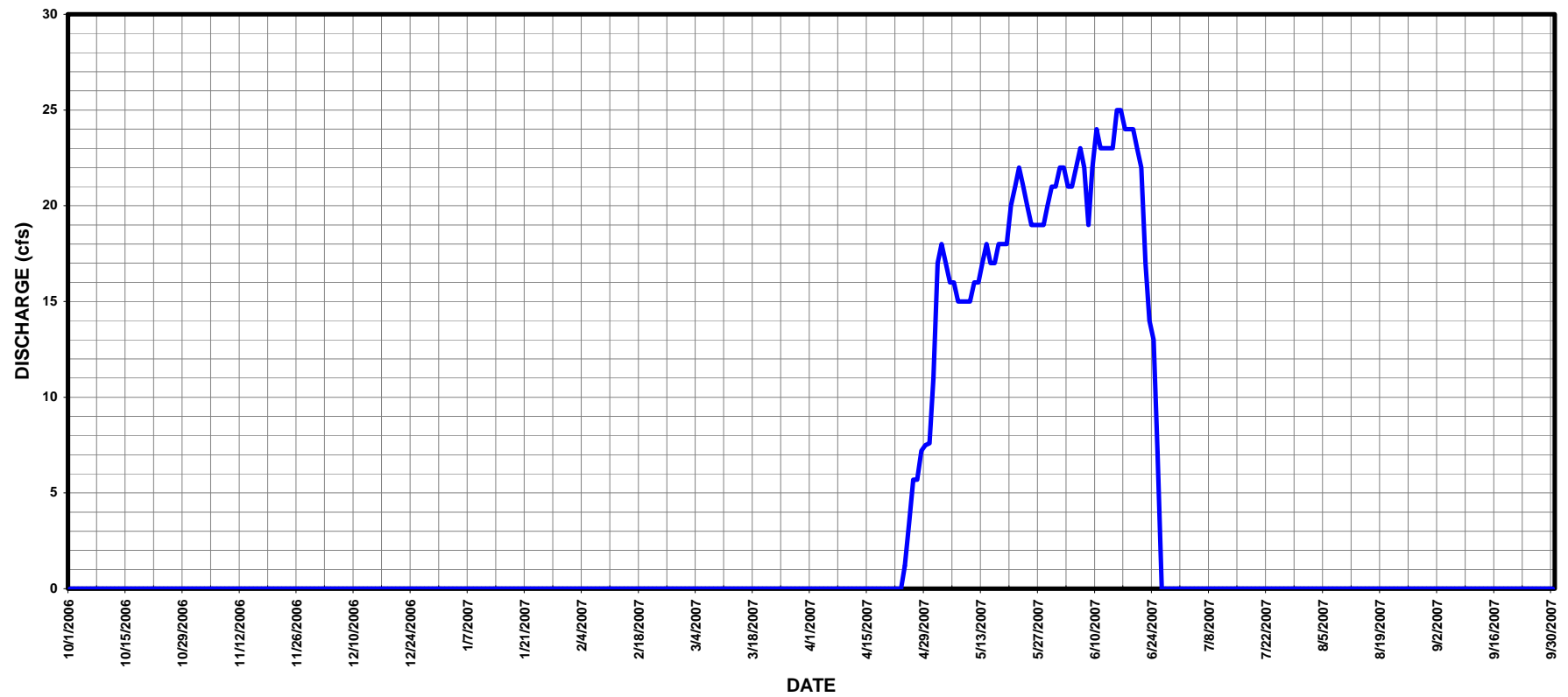
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	11	22	0	0	0
2	0	0	0	0	0	0	0	17	22	0	0	0
3	0	0	0	0	0	0	0	18	21	0	0	0
4	0	0	0	0	0	0	0	17	21	0	0	0
5	0	0	0	0	0	0	0	16	22	0	0	0
6	0	0	0	0	0	0	0	16	23	0	0	0
7	0	0	0	0	0	0	0	15	22	0	0	0
8	0	0	0	0	0	0	0	15	19	0	0	0
9	0	0	0	0	0	0	0	15	22	0	0	0
10	0	0	0	0	0	0	0	15	24	0	0	0
11	0	0	0	0	0	0	0	16	23	0	0	0
12	0	0	0	0	0	0	0	16	23	0	0	0
13	0	0	0	0	0	0	0	17	23	0	0	0
14	0	0	0	0	0	0	0	18	23	0	0	0
15	0	0	0	0	0	0	0	17	25	0	0	0
16	0	0	0	0	0	0	0	17	25	0	0	0
17	0	0	0	0	0	0	0	18	24	0	0	0
18	0	0	0	0	0	0	0	18	24	0	0	0
19	0	0	0	0	0	0	0	18	24	0	0	0
20	0	0	0	0	0	0	0	20	23	0	0	0
21	0	0	0	0	0	0	0	21	22	0	0	0
22	0	0	0	0	0	0	0	22	17	0	0	0
23	0	0	0	0	0	0	0	21	14	0	0	0
24	0	0	0	0	0	0	1.2	20	13	0	0	0
25	0	0	0	0	0	0	3.4	19	7.1	0	0	0
26	0	0	0	0	0	0	5.7	19	0	0	0	0
27	0	0	0	0	0	0	5.7	19	0	0	0	0
28	0	0	0	0	0	0	7.2	19	0	0	0	0
29	0	0	0	0	---	0	7.5	20	0	0	0	0
30	0	0	0	0	---	0	7.6	21	0	0	0	0
31	0	---	0	0	---	0	---	21	---	0	0	---
TOTAL	0	0	0	0	0	0	38.3	552	528.1	0	0	0
MEAN	0	0	0	0	0	0	1.28	17.8	17.6	0	0	0
AC-FT	0	0	0	0	0	0	76	1090	1050	0	0	0
MAX	0	0	0	0	0	0	7.6	22	25	0	0	0
MIN	0	0	0	0	0	0	0	11	0	0	0	0

CAL YR	2006	TOTAL	905.32	MEAN	2.48	MAX	33	MIN	0	AC-FT	1800
WTR YR	2007	TOTAL	1118.4	MEAN	3.06	MAX	25	MIN	0	AC-FT	2220

MAX DISCH: 26 CFS AT 23:15 ON Jun. 15, 2007 GH 1.17 FT. SHIFT 0.01 FT.
MAX GH: 1.17 FT. AT 23:15 ON Jun. 15, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

PINE RIDGE DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°17'31", long 108°02'07", in SW~~4~~NE~~4~~ sec. 14, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron Satlink 2 HDR DCP with shaft encoder and graphic water-stage recorder on separate floats in a 42" diameter corrugated metal shelter and concrete well at a 3-foot Parshall Flume. Primary reference gage is outside staff gage installed in flume. On July 6, 2007 the graphic chart recorder was removed and a Sutron Stage-Discharge recorder was installed.

REMARKS.--Record complete and reliable, except for March 12-16, 2007, due to ice affecting the stage-discharge relationship; and, November 28-30, December 1-5, 2006, when the floats were frozen in the well. Record good, except for days on which ice affected the stage-discharge relationship and floats were froze in the well. Record during this period should be considered poor. Station maintained by Matthew A. Schmitt. Record developed by Brian Boughton.

RATING TABLE.--PINDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

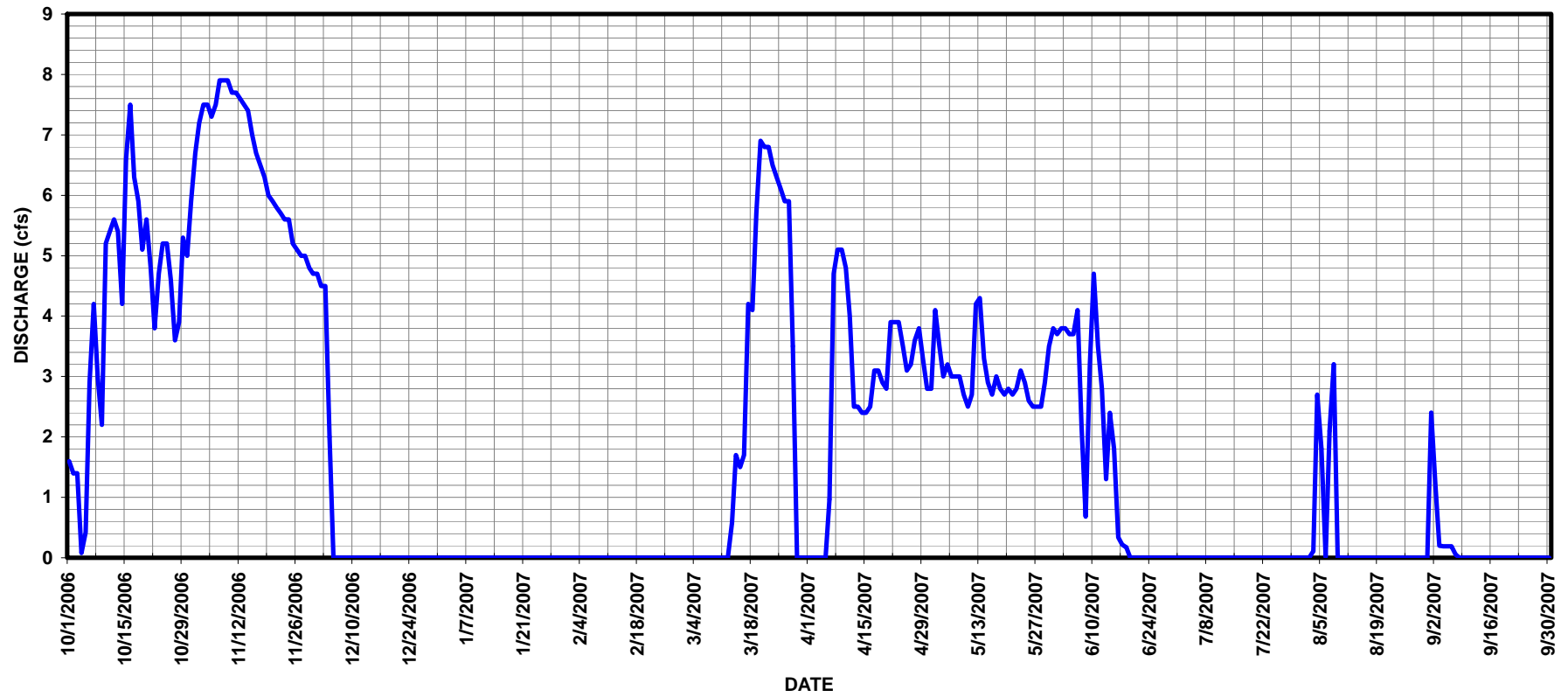
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	6.7	4.7e	0	0	0	0	2.8	3.7	0	0	2.4
2	1.4	7.2	4.5e	0	0	0	0	4.1	3.8	0	0	1.2
3	1.4	7.5	4.5e	0	0	0	0	3.5	3.8	0	.11	.20
4	.08	7.5	2.0e	0	0	0	0	3.0	3.7	0	2.7	.19
5	.42	7.3	0	0	0	0	0	3.2	3.7	0	1.8	.19
6	2.9	7.5	0	0	0	0	.97	3.0	4.1	0	.02	.19
7	4.2	7.9	0	0	0	0	4.7	3.0	2.2	0	2.1	.05
8	3.0	7.9	0	0	0	0	5.1	3.0	.68	0	3.2	0
9	2.2	7.9	0	0	0	0	5.1	2.7	3.2	0	.01	0
10	5.2	7.7	0	0	0	0	4.8	2.5	4.7	0	0	0
11	5.4	7.7	0	0	0	0	4.0	2.7	3.5	0	0	0
12	5.6	7.6	0	0	0	0e	2.5	4.2	2.8	0	0	0
13	5.4	7.5	0	0	0	.58e	2.5	4.3	1.3	0	0	0
14	4.2	7.4	0	0	0	1.7e	2.4	3.3	2.4	0	0	0
15	6.6	7.0	0	0	0	1.5e	2.4	2.9	1.8	0	0	0
16	7.5	6.7	0	0	0	1.7e	2.5	2.7	.34	0	0	0
17	6.3	6.5	0	0	0	4.2	3.1	3.0	.22	0	0	0
18	5.9	6.3	0	0	0	4.1	3.1	2.8	.17	0	0	0
19	5.1	6.0	0	0	0	5.7	2.9	2.7	0	0	0	0
20	5.6	5.9	0	0	0	6.9	2.8	2.8	0	0	0	0
21	4.8	5.8	0	0	0	6.8	3.9	2.7	0	0	0	0
22	3.8	5.7	0	0	0	6.8	3.9	2.8	0	0	0	0
23	4.7	5.6	0	0	0	6.5	3.9	3.1	0	0	0	0
24	5.2	5.6	0	0	0	6.3	3.5	2.9	0	0	0	0
25	5.2	5.2	0	0	0	6.1	3.1	2.6	0	0	0	0
26	4.6	5.1	0	0	0	5.9	3.2	2.5	0	0	0	0
27	3.6	5.0	0	0	0	5.9	3.6	2.5	0	0	0	0
28	3.9	5.0e	0	0	0	3.5	3.8	2.5	0	0	0	0
29	5.3	4.8e	0	0	---	0	3.3	2.9	0	0	0	0
30	5.0	4.7e	0	0	---	0	2.8	3.5	0	0	0	0
31	5.9	---	0	0	---	0	---	3.8	---	0	0	---
TOTAL	132.00	196.2	15.7	0	0	74.18	83.87	94.0	46.11	0	9.94	4.42
MEAN	4.26	6.54	.51	0	0	2.39	2.80	3.03	1.54	0	.32	.15
AC-FT	262	389	31	0	0	147	166	186	91	0	20	8.8
MAX	7.5	7.9	4.7	0	0	6.9	5.1	4.3	4.7	0	3.2	2.4
MIN	.08	4.7	0	0	0	0	0	2.5	0	0	0	0

CAL YR	2006	TOTAL	491.7	MEAN	1.35	MAX	8.1	MIN	0	AC-FT	975
WTR YR	2007	TOTAL	656.42	MEAN	1.80	MAX	7.9	MIN	0	AC-FT	1300

MAX DISCH: 8.79 CFS AT 17:45 ON Oct. 12, 2006 GH 0.84 FT. SHIFT -0.02 FT.
MAX GH: 0.84 FT. AT 17:45 ON Oct. 12, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

PINE RIDGE DITCH NEAR HESPERUS CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

09365500 LA PLATA RIVER AT HESPERUS, CO

LOCATION.--Lat 37°17'23", long 108°02'24", in NE¼SW¼ sec. 14, T.35 N., R.11 W., NMPM La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA AND PERIOD OF RECORD.--37 mi², approximately. Periodic data June 1904 to Nov. 1910. Continuous from June 1917 to current year, with some periods of monthly data only.

GAGE.--Graphic water stage-recorder and a Sutron Satlink 2 HDR DCP with a shaft encoder on a separate float in a 64"x 64" concrete block shelter and a 42" concrete well. The DCP record is the primary record. Primary reference gage is an electric tape in the well. The station is also equipped with a Sutron air temperature sensor and an electric heater which is used to keep the well from freezing in the winter. Control is man-made concrete ramp flume located approximately 15 feet downstream. A NEMA enclosed Satlink 2 was installed on March 7, 2007 to protect the DCP from moisture. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP logger files. It is reliable, except for the following days when ice on the control affected the gage height: Nov. 30; Dec. 1-5, 12, 13, 19-26, 31, 2006; Jan. 1-4, 6-10, 13-31, Feb. 1-6, 15-18, 21, 22, 24, 25; Mar. 1-5, 2007. Record good, except for days on which ice affected the stage-discharge relationship. Record during this period should be considered poor. Station maintained and record developed by Brian Boughton.

RATING TABLE.--LAPHESCO37 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

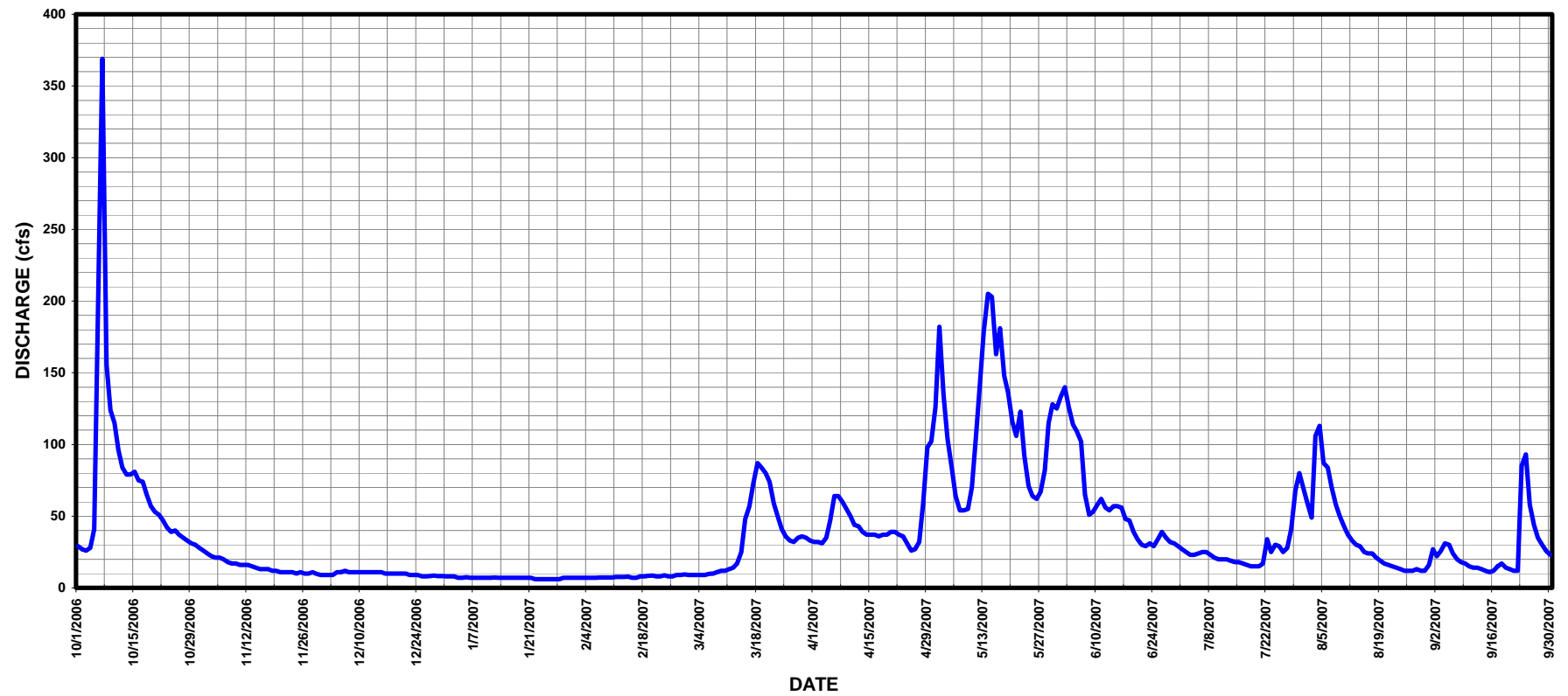
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	26	9.0e	8.0e	7.0e	9.0e	32	126	133	27	59	27
2	27	24	9.0e	8.0e	7.0e	9.0e	32	182	140	25	49	22
3	26	22	9.0e	7.0e	7.0e	9.0e	31	134	126	23	106	26
4	28	21	11e	7.0e	7.0e	9.0e	35	104	114	23	113	31
5	41	21	11e	7.5	7.0e	9.0e	47	84	109	24	87	30
6	211	20	12	7.0e	7.0e	9.8	64	64	102	25	84	24
7	369	18	11	7.0e	7.2	10	64	54	65	25	70	20
8	156	17	11	7.0e	7.3	11	60	54	51	23	58	18
9	124	17	11	7.0e	7.3	12	55	55	53	21	50	17
10	115	16	11	7.0e	7.3	12	50	70	58	20	43	15
11	96	16	11	7.0	7.7	13	44	104	62	20	37	14
12	84	16	11e	7.3	7.6	14	43	143	56	20	33	14
13	79	15	11e	7.0e	7.6	17	39	179	54	19	30	13
14	79	14	11	7.0e	7.8	25	37	205	57	18	29	12
15	81	13	11	7.0e	7.0e	48	37	203	57	18	25	11
16	75	13	10	7.0e	7.0e	57	37	163	56	17	24	12
17	74	13	10	7.0e	8.0e	73	36	181	48	16	24	15
18	65	12	10	7.0e	8.0e	87	37	148	47	15	21	17
19	57	12	10e	7.0e	8.3	84	37	136	39	15	19	14
20	53	11	10e	7.0e	8.5	80	39	116	34	15	17	13
21	51	11	10e	7.0e	8.0e	74	39	106	30	17	16	12
22	47	11	9.0e	6.0e	8.0e	59	37	123	29	34	15	12
23	42	11	9.0e	6.0e	8.7	50	36	92	31	25	14	85
24	39	10	9.0e	6.0e	8.0e	41	31	71	29	30	13	93
25	40	11	8.0e	6.0e	8.0e	36	26	64	34	29	12	58
26	37	10	8.0e	6.0e	8.9	33	27	62	39	25	12	44
27	35	10	8.2	6.0e	9.0	32	32	67	35	28	12	35
28	33	11	8.5	6.0e	9.4	35	59	82	32	41	13	30
29	31	9.8	8.2	7.0e	---	36	98	115	31	68	12	26
30	30	9.0e	8.2	7.0e	---	35	102	128	29	80	12	23
31	28	---	8.0e	7.0e	---	33	---	125	---	69	16	---
TOTAL	2282	440.8	304.1	212.8	216.6	1061.8	1343	3540	1780	855	1125	783
MEAN	73.6	14.7	9.81	6.86	7.74	34.3	44.8	114	59.3	27.6	36.3	26.1
AC-FT	4530	874	603	422	430	2110	2660	7020	3530	1700	2230	1550
MAX	369	26	12	8.0	9.4	87	102	205	140	80	113	93
MIN	26	9.0	8.0	6.0	7.0	9.0	26	54	29	15	12	11

CAL YR	2006	TOTAL	10802.8	MEAN	29.6	MAX	369	MIN	2.9	AC-FT	21430
WTR YR	2007	TOTAL	13944.1	MEAN	38.2	MAX	369	MIN	6.0	AC-FT	27660

MAX DISCH: 704 CFS AT 22:45 ON Oct. 6, 2006 GH 5.42 FT. SHIFT 0.04 FT.
MAX GH: 5.42 FT. AT 22:45 ON Oct. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09365500 LA PLATA RIVER AT HESPERUS CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Graphic water-stage recorder and a Sutron SatLink 2 HDR DCP with shaft encoder on separate floats in a concrete block shelter and 42-inch diameter corrugated metal well. The primary reference gage is a steel drop tape referenced to a reference point (RP) on the wooden instrument shelf. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable, except for the following periods: Oct. 18-20, 2006, when the shaft encoder did not track the change in stage, and chart record was used; Nov. 11, 15-24, 26-27, 29-30, Dec. 1-21, 2006, and Mar. 6-9, 2007, when the stage-discharge relationship affected by ice; and, Dec. 22-31, 2006, Jan. 1-31, Feb 1-28, and Mar. 1-5, 2007, when the floats frozen in the well. Record fair, except for days on which ice affected the stage-discharge relationship and the floats were frozen in the well. Record during this period should be considered poor. The instantaneous peak flow should also be considered poor since it was estimated, and the estimated flow rate is more than 2 times the highest measured flow rate at the gage. Record developed by Brian Boughton.

RATING TABLE.--CHEREDCO03A USED FROM 01-OCT-2006 TO 30-SEP-2007

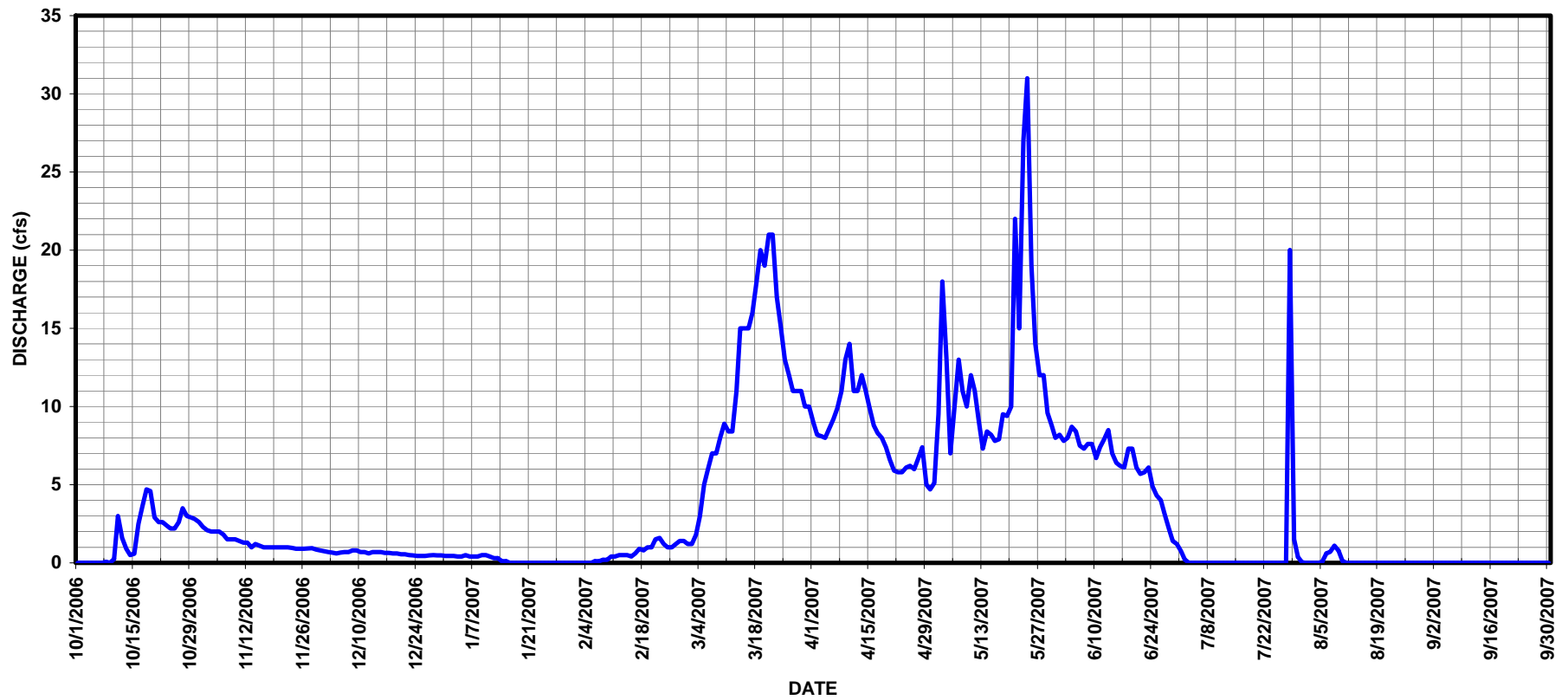
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	2.3	.75e	.45e	0e	1.2e	9.0	5.1	8.2	.75	0	0
2	0	2.1	.70e	.45e	0e	1.2e	8.2	9.5	7.8	.22	0	0
3	0	2.0	.65e	.40e	0e	1.8e	8.1	18	8.0	0	0	0
4	0	2.0	.60e	.40e	0e	3.0e	8.0	13	8.7	0	0	0
5	0	2.0	.65e	.50e	0e	5.0e	8.6	7.0	8.4	0	.07	0
6	0	1.8	.70e	.40e	.10e	6.0e	9.2	10	7.5	0	.60	0
7	0	1.5	.70e	.40e	.10e	7.0e	9.9	13	7.3	0	.71	0
8	.07	1.5	.80e	.40e	.20e	7.0e	11	11	7.6	0	1.1	0
9	0	1.5	.80e	.50e	.20e	8.0e	13	10	7.6	0	.78	0
10	.24	1.4	.70e	.50e	.40e	8.9	14	12	6.7	0	.13	0
11	3.0	1.3e	.70e	.40e	.40e	8.4	11	11	7.4	0	0	0
12	1.6	1.3	.60e	.30e	.50e	8.4	11	9.0	7.9	0	0	0
13	.90	1.0	.70e	.30e	.50e	11	12	7.3	8.5	0	0	0
14	.50	1.2	.70e	.10e	.50e	15	11	8.4	7.0	0	0	0
15	.59	1.1e	.70e	.10e	.40e	15	9.9	8.2	6.4	0	0	0
16	2.5	1.0e	.64e	0e	.60e	15	8.8	7.8	6.2	0	0	0
17	3.6	1.0e	.64e	0e	.90e	16	8.3	7.9	6.1	0	0	0
18	4.7	1.0e	.60e	0e	.80e	18	8.0	9.5	7.3	0	0	0
19	4.6	1.0e	.60e	0e	1.0e	20	7.4	9.4	7.3	0	0	0
20	2.9	1.0e	.55e	0e	1.0e	19	6.6	10	6.1	0	0	0
21	2.6	1.0e	.55e	0e	1.5e	21	5.9	22	5.7	0	0	0
22	2.6	1.0e	.50e	0e	1.6e	21	5.8	15	5.8	0	0	0
23	2.4	.95e	.48e	0e	1.2e	17	5.8	27	6.1	0	0	0
24	2.2	.90e	.45e	0e	1.0e	15	6.1	31	4.9	0	0	0
25	2.2	.91	.45e	0e	1.0e	13	6.2	19	4.3	0	0	0
26	2.6	.90e	.45e	0e	1.2e	12	6.0	14	4.0	0	0	0
27	3.5	.92e	.48e	0e	1.4e	11	6.7	12	3.1	0	0	0
28	3.0	.94	.50e	0e	1.4e	11	7.4	12	2.2	20	0	0
29	2.9	.85e	.48e	0e	---	11	5.0	9.6	1.4	1.5	0	0
30	2.8	.80e	.48e	0e	---	10	4.7	8.8	1.2	.37	0	0
31	2.6	---	.45e	0e	---	10	---	8.0	---	.03	0	---
TOTAL	54.60	38.17	18.75	5.60	17.90	346.9	252.6	375.5	186.7	22.87	3.39	0
MEAN	1.76	1.27	.60	.18	.64	11.2	8.42	12.1	6.22	.74	.11	0
AC-FT	108	76	37	11	36	688	501	745	370	45	6.7	0
MAX	4.7	2.3	.80	.50	1.6	21	14	31	8.7	20	1.1	0
MIN	0	.80	.45	0	0	1.2	4.7	5.1	1.2	0	0	0
CAL YR	2006	TOTAL	666.11	MEAN	1.82	MAX	15	MIN	0	AC-FT	1320	
WTR YR	2007	TOTAL	1322.98	MEAN	3.62	MAX	31	MIN	0	AC-FT	2620	

MAX DISCH: 290 CFS AT 16:45 ON Jul. 28, 2007 GH 6.01 FT. SHIFT 0 FT. (Estimated)
MAX GH: 6.01 FT. AT 16:45 ON Jul. 28, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

CHERRY CREEK AT THE MOUTH NEAR RED MESA CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--46.5 mi².

GAGE.--Graphic water-stage recorder with a Sutron Satlink 2 HDR DCP and shaft encoder on separate floats in a 3' by 3' wooden shelter and well at a 4-foot Parshall Flume. Primary reference gage is outside staff gage installed in flume. The DCP record is the primary record. Between August 23rd and September 6th part of the wooden well gave way and partially filled the well with dirt. On September 6th the stream side of the wooden well was removed and replaced with new pressure treated lumber. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions was filled in from the DCP logger files or from the chart record. It is reliable, except for the following periods: stage-discharge relationship affected by ice: Dec. 1-4, 18-31, 2006; Jan. 1-6; Feb. 8-28, Mar. 1-5, 2007; floats were frozen in the well: Dec. 5, 2006; Jan. 7-31; Feb. 1-7, 2007; and, shaft encoder float covered in mud caused by a gopher digging next to the well: Aug. 23-31, 2007. Chart record was used to develop this part of the record. Record fair, except for days on which ice affected the stage-discharge relationship and floats were frozen in the well, which are poor. Station maintained and record developed by Brian Boughton.

RATING TABLE.--LONREDCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

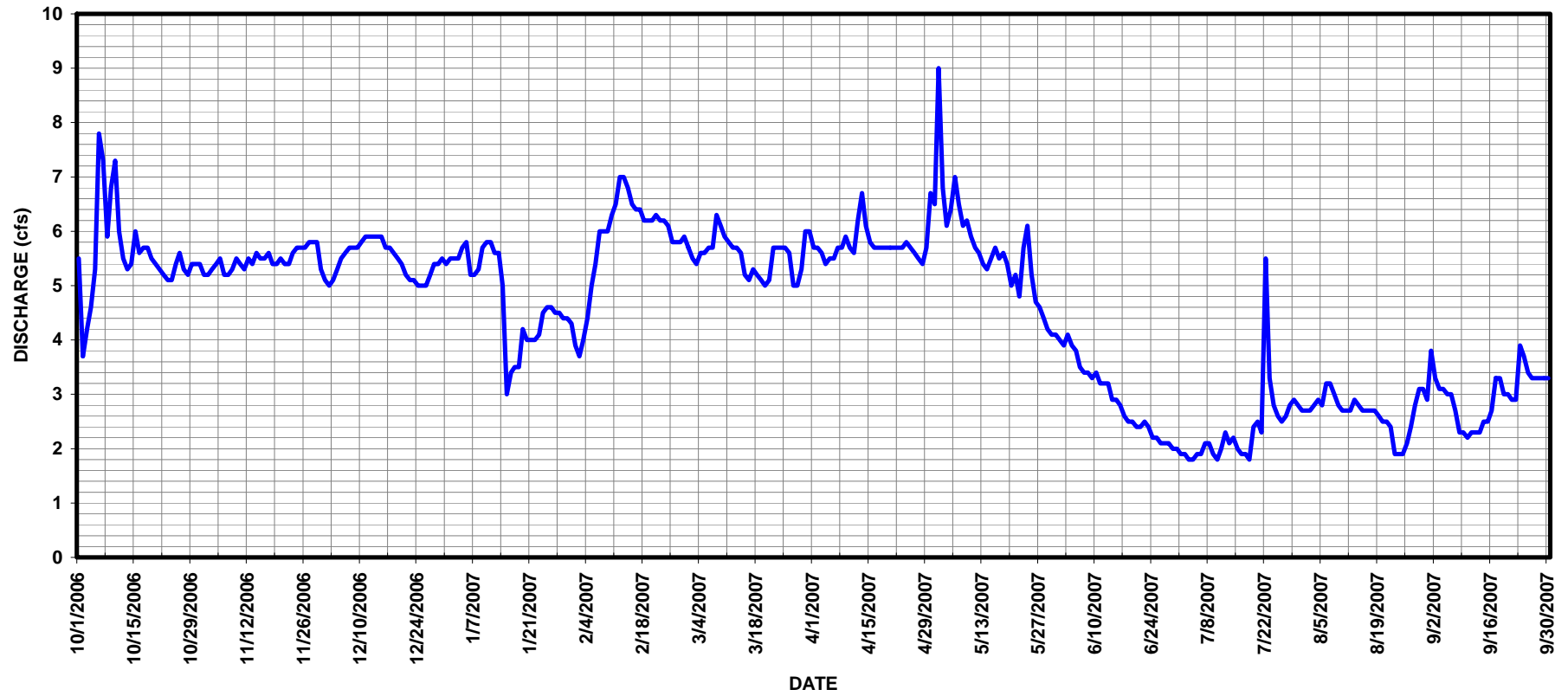
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	5.2	5.1e	5.5e	3.9e	5.7e	5.7	6.5	4.0	1.9	2.7	3.8
2	3.7	5.2	5.0e	5.5e	3.7e	5.5e	5.7	9.0	3.9	1.9	2.7	3.3
3	4.2	5.3	5.1e	5.5e	4.0e	5.4e	5.6	6.8	4.1	1.8	2.8	3.1
4	4.6	5.4	5.3e	5.7e	4.4e	5.6e	5.4	6.1	3.9	1.8	2.9	3.1
5	5.3	5.5	5.5e	5.8e	5.0e	5.6e	5.5	6.4	3.8	1.9	2.8	3.0
6	7.8	5.2	5.6	5.2e	5.4e	5.7	5.5	7.0	3.5	1.9	3.2	3.0
7	7.3	5.2	5.7	5.2e	6.0e	5.7	5.7	6.5	3.4	2.1	3.2	2.7
8	5.9	5.3	5.7	5.3e	6.0e	6.3	5.7	6.1	3.4	2.1	3.0	2.3
9	6.8	5.5	5.7	5.7e	6.0e	6.1	5.9	6.2	3.3	1.9	2.8	2.3
10	7.3	5.4	5.8	5.8e	6.3e	5.9	5.7	5.9	3.4	1.8	2.7	2.2
11	6.0	5.3	5.9	5.8e	6.5e	5.8	5.6	5.7	3.2	2.0	2.7	2.3
12	5.5	5.5	5.9	5.6e	7.0e	5.7	6.2	5.6	3.2	2.3	2.7	2.3
13	5.3	5.4	5.9	5.6e	7.0e	5.7	6.7	5.4	3.2	2.1	2.9	2.3
14	5.4	5.6	5.9	5.0e	6.8e	5.6	6.1	5.3	2.9	2.2	2.8	2.5
15	6.0	5.5	5.9	3.0e	6.5e	5.2	5.8	5.5	2.9	2.0	2.7	2.5
16	5.6	5.5	5.7	3.4e	6.4e	5.1	5.7	5.7	2.8	1.9	2.7	2.7
17	5.7	5.6	5.7	3.5e	6.4e	5.3	5.7	5.5	2.6	1.9	2.7	3.3
18	5.7	5.4	5.6e	3.5e	6.2e	5.2	5.7	5.6	2.5	1.8	2.7	3.3
19	5.5	5.4	5.5e	4.2e	6.2e	5.1	5.7	5.4	2.5	2.4	2.6	3.0
20	5.4	5.5	5.4e	4.0e	6.2e	5.0	5.7	5.0	2.4	2.5	2.5	3.0
21	5.3	5.4	5.2e	4.0e	6.3e	5.1	5.7	5.2	2.4	2.3	2.5	2.9
22	5.2	5.4	5.1e	4.0e	6.2e	5.7	5.7	4.8	2.5	5.5	2.4	2.9
23	5.1	5.6	5.1e	4.1e	6.2e	5.7	5.7	5.7	2.4	3.3	1.9	3.9
24	5.1	5.7	5.0e	4.5e	6.1e	5.7	5.8	6.1	2.2	2.8	1.9	3.7
25	5.4	5.7	5.0e	4.6e	5.8e	5.7	5.7	5.2	2.2	2.6	1.9	3.4
26	5.6	5.7	5.0e	4.6e	5.8e	5.6	5.6	4.7	2.1	2.5	2.1	3.3
27	5.3	5.8	5.2e	4.5e	5.8e	5.0	5.5	4.6	2.1	2.6	2.4	3.3
28	5.2	5.8	5.4e	4.5e	5.9e	5.0	5.4	4.4	2.1	2.8	2.8	3.3
29	5.4	5.8	5.4e	4.4e	---	5.3	5.7	4.2	2.0	2.9	3.1	3.3
30	5.4	5.3	5.5e	4.4e	---	6.0	6.7	4.1	2.0	2.8	3.1	3.3
31	5.4	---	5.4e	4.3e	---	6.0	---	4.1	---	2.7	2.9	---
TOTAL	172.9	164.1	169.2	146.7	164.0	172.0	172.8	174.3	86.9	73.0	85.7	89.3
MEAN	5.58	5.47	5.46	4.73	5.86	5.55	5.76	5.62	2.90	2.35	2.76	2.98
AC-FT	343	325	336	291	325	341	343	346	172	145	170	177
MAX	7.8	5.8	5.9	5.8	7.0	6.3	6.7	9.0	4.1	5.5	3.5	3.9
MIN	3.7	5.2	5.0	3.0	3.7	5.0	5.4	4.1	2.0	1.8	2.3	2.2
CAL YR 2006	TOTAL		1692.3	MEAN	4.64	MAX	26	MIN	2.2	AC-FT	3360	
WTR YR 2007	TOTAL		1670.9	MEAN	4.58	MAX	9.0	MIN	1.8	AC-FT	3310	

MAX DISCH: 35 CFS AT 18:45 ON Jul. 22, 2007 GH 1.63 FT. SHIFT 0.01 FT.
MAX GH: 1.63 FT. AT 18:45 ON Jul. 22, 2007

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

LONG HOLLOW AT THE MOUTH NEAR RED MESA CO
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 36°59'58", long 108°11'09", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron high data rate Satlink 2 DCP with a shaft encoder in a 30-inch diameter corrugated metal pipe shelter and a 20-inch x 20-inch concrete well at a 1-foot concrete Parshall Flume. The DCP record is the primary record with satellite data used for backup purposes. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP's logger files. Record is reliable. Record good. Station maintained and record developed by Brian Boughton.

RATING TABLE.--PIODITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

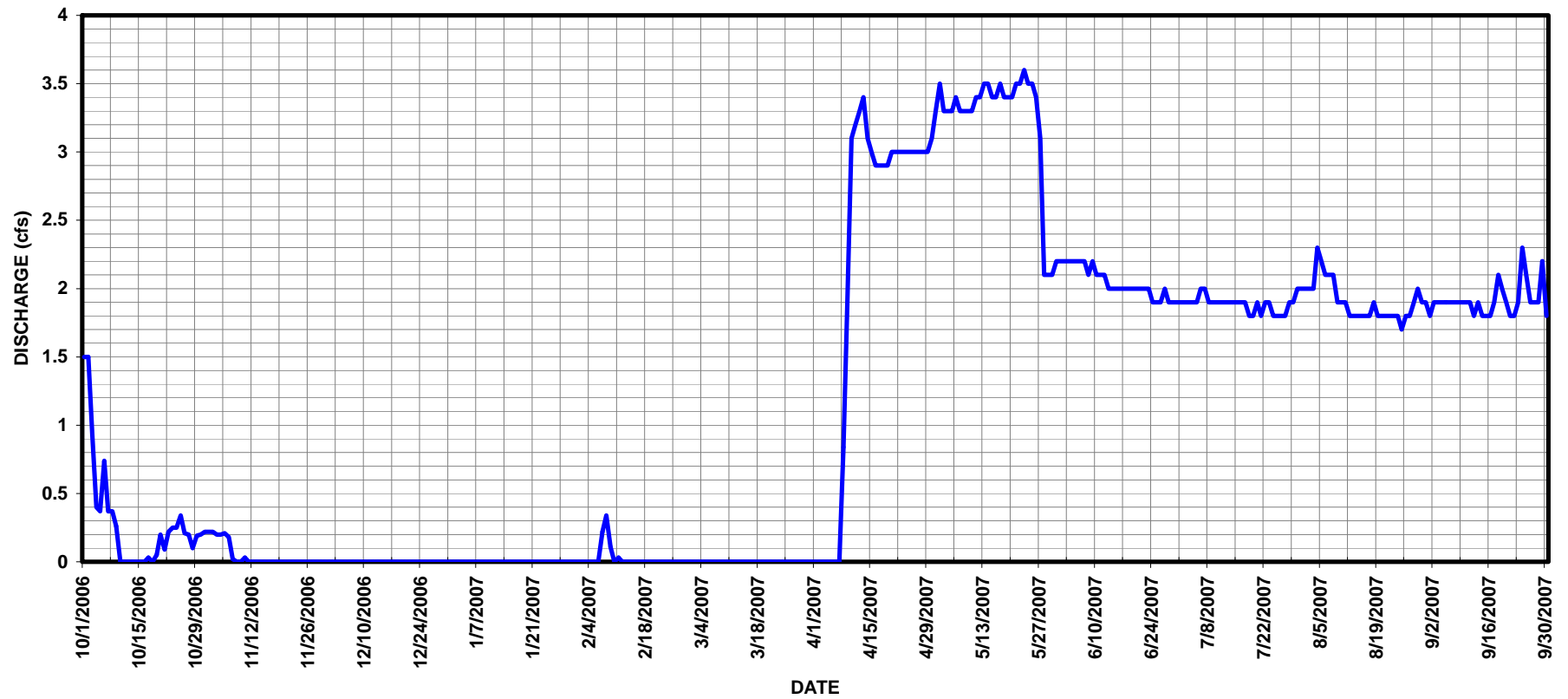
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	.22	0	0	0	0	0	3.3	2.2	1.9	2.0	1.8
2	1.5	.22	0	0	0	0	0	3.5	2.2	1.9	2.0	1.9
3	.94	.20	0	0	0	0	0	3.3	2.2	1.9	2.0	1.9
4	.40	.20	0	0	0	0	0	3.3	2.2	1.9	2.3	1.9
5	.37	.21	0	0	0	0	0	3.3	2.2	1.9	2.2	1.9
6	.74	.18	0	0	0	0	0	3.4	2.2	2.0	2.1	1.9
7	.37	.02	0	0	.22	0	0	3.3	2.2	2.0	2.1	1.9
8	.37	0	0	0	.34	0	.84	3.3	2.1	1.9	2.1	1.9
9	.26	0	0	0	.11	0	1.9	3.3	2.2	1.9	1.9	1.9
10	0	.03	0	0	0	0	3.1	3.3	2.1	1.9	1.9	1.9
11	0	0	0	0	.03	0	3.2	3.4	2.1	1.9	1.9	1.9
12	0	0	0	0	0	0	3.3	3.4	2.1	1.9	1.8	1.8
13	0	0	0	0	0	0	3.4	3.5	2.0	1.9	1.8	1.9
14	0	0	0	0	0	0	3.1	3.5	2.0	1.9	1.8	1.8
15	0	0	0	0	0	0	3.0	3.4	2.0	1.9	1.8	1.8
16	0	0	0	0	0	0	2.9	3.4	2.0	1.9	1.8	1.8
17	.03	0	0	0	0	0	2.9	3.5	2.0	1.9	1.8	1.9
18	0	0	0	0	0	0	2.9	3.4	2.0	1.8	1.9	2.1
19	.05	0	0	0	0	0	2.9	3.4	2.0	1.8	1.8	2.0
20	.20	0	0	0	0	0	3.0	3.4	2.0	1.9	1.8	1.9
21	.09	0	0	0	0	0	3.0	3.5	2.0	1.8	1.8	1.8
22	.22	0	0	0	0	0	3.0	3.5	2.0	1.9	1.8	1.8
23	.25	0	0	0	0	0	3.0	3.6	2.0	1.9	1.8	1.9
24	.25	0	0	0	0	0	3.0	3.5	1.9	1.8	1.8	2.3
25	.34	0	0	0	0	0	3.0	3.5	1.9	1.8	1.7	2.1
26	.21	0	0	0	0	0	3.0	3.4	1.9	1.8	1.8	1.9
27	.20	0	0	0	0	0	3.0	3.1	2.0	1.8	1.8	1.9
28	.10	0	0	0	0	0	3.0	2.1	1.9	1.9	1.9	1.9
29	.19	0	0	0	---	0	3.0	2.1	1.9	1.9	2.0	2.2
30	.20	0	0	0	---	0	3.1	2.1	1.9	2.0	1.9	1.8
31	.22	---	0	0	---	0	---	2.2	---	2.0	1.9	---
TOTAL	9.00	1.28	0	0	.70	0	66.54	100.2	61.4	58.6	59.0	57.4
MEAN	.29	.043	0	0	.025	0	2.22	3.23	2.05	1.89	1.90	1.91
AC-FT	18	2.5	0	0	1.4	0	132	199	122	116	117	114
MAX	1.5	.22	0	0	.34	0	3.4	3.6	2.2	2.0	2.3	2.3
MIN	0	0	0	0	0	0	0	2.1	1.9	1.8	1.7	1.8

CAL YR	2006	TOTAL	364.79	MEAN	1.00	MAX	3.2	MIN	0	AC-FT	724
WTR YR	2007	TOTAL	414.12	MEAN	1.13	MAX	3.6	MIN	0	AC-FT	821

MAX DISCH: 5.42 CFS AT 17:30 ON Oct. 6, 2006 GH 1.24 FT. SHIFT -0.02 FT.
MAX GH: 1.24 FT. AT 17:30 ON Oct. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 37°00'50", long 108°11'18", in SW¼SE¼ sec. 3, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron Satlink 2 high data rate DCP with a shaft encoder in a 30-inch diameter corrugated metal pipe shelter and well at a 2-foot Parshall Flume. Primary reference gage is outside staff gage installed in flume. The DCP record is the primary and only record.

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 18-30; Dec. 1-11, 2006, when ice formed in the stilling well. Record is good, except for the period when the stilling well iced up. Record during this period should be considered poor, although it was a period of zero flow in the winter. Station maintained and record developed by Brian Boughton.

RATING TABLE.--ENTDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2007

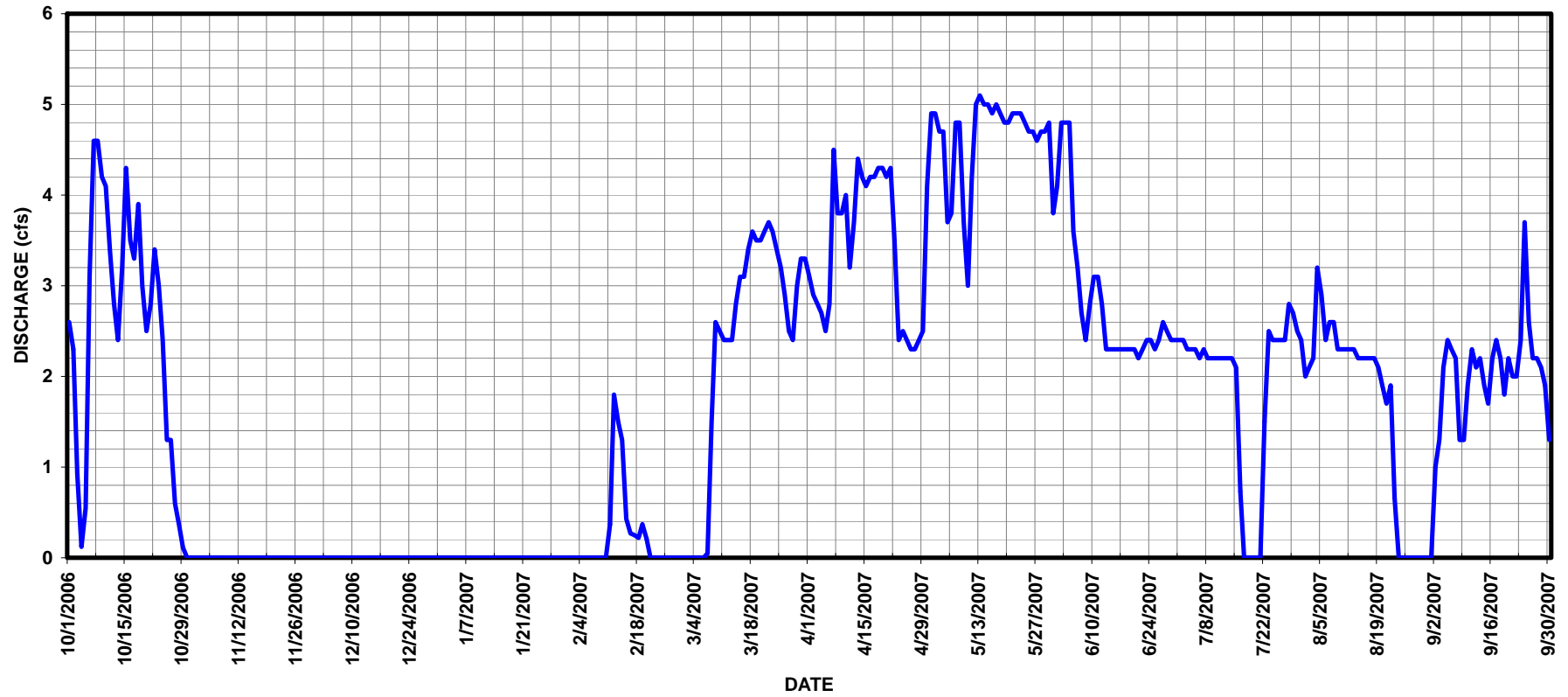
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	0	0	0	0	0	3.1	4.9	4.1	2.4	2.0	0
2	2.3	0	0	0	0	0	2.9	4.9	4.8	2.4	2.1	1.0
3	.93	0	0	0	0	0	2.8	4.7	4.8	2.3	2.2	1.3
4	.12	0	0	0	0	0	2.7	4.7	4.8	2.3	3.2	2.1
5	.55	0	0	0	0	0	2.5	3.7	3.6	2.3	2.9	2.4
6	3.1	0	0	0	0	0	2.8	3.8	3.2	2.2	2.4	2.3
7	4.6	0	0	0	0	.05	4.5	4.8	2.7	2.3	2.6	2.2
8	4.6	0	0	0	0	1.5	3.8	4.8	2.4	2.2	2.6	1.3
9	4.2	0	0	0	0	2.6	3.8	3.7	2.8	2.2	2.3	1.3
10	4.1	0	0	0	0	2.5	4.0	3.0	3.1	2.2	2.3	1.9
11	3.4	0	0	0	.37	2.4	3.2	4.2	3.1	2.2	2.3	2.3
12	2.8	0	0	0	1.8	2.4	3.7	5.0	2.8	2.2	2.3	2.1
13	2.4	0	0	0	1.5	2.4	4.4	5.1	2.3	2.2	2.3	2.2
14	3.2	0	0	0	1.3	2.8	4.2	5.0	2.3	2.2	2.2	1.9
15	4.3	0	0	0	.43	3.1	4.1	5.0	2.3	2.1	2.2	1.7
16	3.5	0	0	0	.27	3.1	4.2	4.9	2.3	.73	2.2	2.2
17	3.3	0	0	0	.25	3.4	4.2	5.0	2.3	0	2.2	2.4
18	3.9	0	0	0	.22	3.6	4.3	4.9	2.3	0	2.2	2.2
19	3.0	0	0	0	.37	3.5	4.3	4.8	2.3	0	2.1	1.8
20	2.5	0	0	0	.21	3.5	4.2	4.8	2.3	0	1.9	2.2
21	2.8	0	0	0	0	3.6	4.3	4.9	2.2	0	1.7	2.0
22	3.4	0	0	0	0	3.7	3.5	4.9	2.3	1.5	1.9	2.0
23	3.0	0	0	0	0	3.6	2.4	4.9	2.4	2.5	.66	2.4
24	2.4	0	0	0	0	3.4	2.5	4.8	2.4	2.4	0	3.7
25	1.3	0	0	0	0	3.2	2.4	4.7	2.3	2.4	0	2.6
26	1.3	0	0	0	0	2.9	2.3	4.7	2.4	2.4	0	2.2
27	.60	0	0	0	0	2.5	2.3	4.6	2.6	2.4	0	2.2
28	.36	0	0	0	0	2.4	2.4	4.7	2.5	2.8	0	2.1
29	.11	0	0	0	---	3.0	2.5	4.7	2.4	2.7	0	1.9
30	0	0	0	0	---	3.3	4.1	4.8	2.4	2.5	0	1.3
31	0	---	0	0	---	3.3	---	3.8	---	2.4	0	---
TOTAL	74.67	0	0	0	6.72	71.75	102.4	143.2	84.5	58.43	50.76	59.2
MEAN	2.41	0	0	0	.24	2.31	3.41	4.62	2.82	1.88	1.64	1.97
AC-FT	148	0	0	0	1.3	142	203	284	168	116	101	117
MAX	4.6	0	0	0	1.8	3.7	4.5	5.1	4.8	2.8	3.2	3.7
MIN	0	0	0	0	0	0	2.3	3.0	2.2	0	0	0
CAL YR 2006	TOTAL	471.66	MEAN	1.29	MAX	5.0	MIN	0	AC-FT	936		
WTR YR 2007	TOTAL	651.63	MEAN	1.79	MAX	5.1	MIN	0	AC-FT	1290		

MAX DISCH: 5.23 CFS AT 06:45 ON Apr. 8, 2007 GH 0.77 FT. SHIFT -0.01 FT.
MAX GH: 0.77 FT. (GH CORRECTION -0.01 FT APPLIED) AT 12:15 ON Oct. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'59", long 108°11'17", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream of Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

DRAINAGE AREA AND PERIOD OF RECORD.--331 mi². Jan. 1920 to current year. Monthly data only for some periods.

GAGE.--Stevens A-71 graphic water stage-recorder and Sutron Satlink 2 HDR DCP and shaft encoder on separate floats in a 42-inch diameter concrete well and a 64-inch by 64-inch cement block shelter. The floats are located inside of a 14-inch PVC oil cylinder. The primary reference gage is a drop tape in the gage used to reference the gage when the well is frozen around the oil cylinder and an electric drop tape for all other times. Also equipped with an air temperature sensor. The DCP record is the primary record. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record from the DCP is complete. Record is reliable, except for the following periods: Oct. 8, 2006, when the floats hung up in the well; Nov 30, Dec 1-10, 21-27, 2006, Jan 6-11, 15-31, Feb 1-6, and Mar 1-4, 2007, when ice on the control affected the stage-discharge relationship; and, Aug 31, Sep 1-2, 2007, when the intakes were plugged or closed. Record good, except for days on which ice affected the stage-discharge relationship and the intakes were closed or plugged. Record during this period should be considered poor. Record for the period when the floats were hung up should be considered fair. Station maintained and record developed by Brian Boughton.

RATING TABLE.--LAPMEXCO32 USED FROM 01-OCT-2006 TO 30-SEP-2007

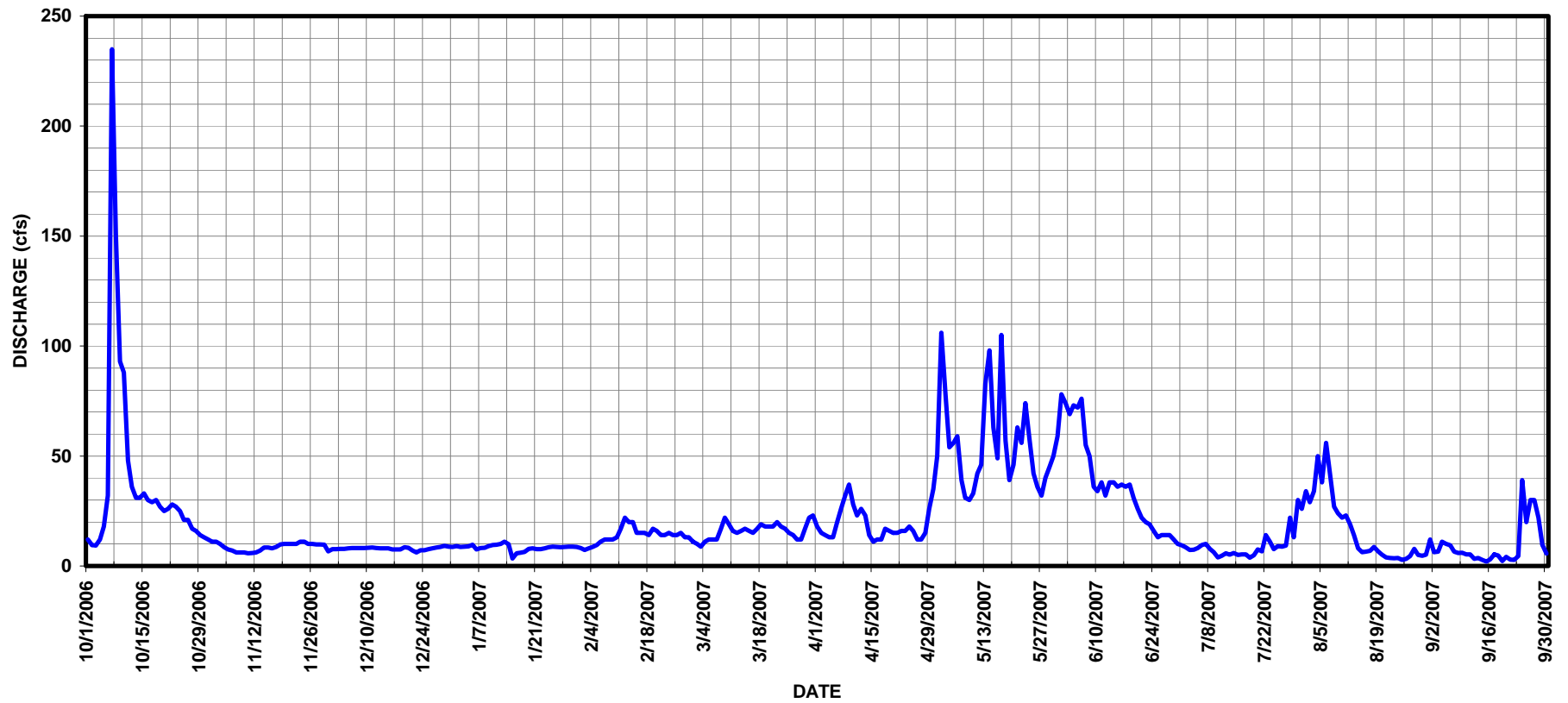
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	7.6e	9.0	8.1e	11e	18	50	78	9.4	34	12e
2	9.6	11	7.7e	8.7	7.3e	10e	15	106	74	8.5	29	6.3e
3	9.3	10	7.8e	8.8	8.0e	8.8e	14	78	69	7.3	34	6.5
4	12	8.5	7.8e	8.9	8.7e	11e	13	54	73	7.4	50	11
5	18	7.5	8.0e	9.7	9.5e	12	13	56	72	8.2	38	10
6	32	7.0	8.1e	7.5e	11e	12	20	59	76	9.5	56	9.4
7	235	6.2	8.1e	8.1e	12	12	26	39	55	10	42	6.5
8	151e	6.2	8.2e	8.3e	12	17	32	31	50	7.8	27	5.9
9	93	6.2	8.2e	9.0e	12	22	37	30	36	6.3	24	6.0
10	88	5.8	8.3e	9.5e	13	19	28	33	34	3.9	22	5.3
11	48	5.9	8.4	9.7e	17	16	23	42	38	4.6	23	5.3
12	36	6.2	8.1	10	22	15	26	46	32	5.8	19	3.3
13	31	7.0	8.0	11	20	16	23	83	38	5.1	14	3.6
14	31	8.4	8.0	9.9	20	17	14	98	38	5.9	8.0	2.8
15	33	8.4	8.0	3.4e	15	16	11	63	36	5.0	6.3	2.0
16	30	8.0	7.5	5.8e	15	15	12	49	37	5.3	6.5	3.0
17	29	8.6	7.5	6.0e	15	17	12	105	36	5.3	6.9	5.3
18	30	9.8	7.5	6.4e	14	19	17	57	37	3.8	8.7	4.8
19	27	10	8.5	7.8e	17	18	16	39	31	4.9	6.6	2.3
20	25	10	8.3	8.0e	16	18	15	46	26	7.5	5.1	4.1
21	26	10	7.0e	7.7e	14	18	15	63	22	6.7	3.9	2.9
22	28	10	6.2e	7.7e	14	20	16	56	20	14	3.6	2.7
23	27	11	7.2e	8.0e	15	18	16	74	19	11	3.5	4.5
24	25	11	7.2e	8.5e	14	17	18	58	16	7.6	3.6	3.9
25	21	10	7.6e	8.8e	14	15	16	42	13	9.0	2.8	2.0
26	21	10	8.0e	8.6e	15	14	12	36	14	8.8	3.3	3.0
27	17	9.8	8.4e	8.5e	13	12	12	32	14	9.3	4.5	3.0
28	16	9.8	8.7	8.6e	13	12	15	40	14	22	7.8	2.2
29	14	9.7	9.1	8.8e	---	17	26	45	12	13	5.0	9.7
30	13	6.6e	8.8	8.8e	---	22	35	50	10	30	4.6	5.7
31	12	---	8.7	8.6e	---	23	---	59	---	26	5.1e	---
TOTAL	1199.9	259.6	246.5	258.1	384.6	489.8	566	1719	1120	288.9	507.8	281.9
MEAN	38.7	8.65	7.95	8.33	13.7	15.8	18.9	55.5	37.3	9.32	16.4	9.40
AC-FT	2380	515	489	512	763	972	1120	3410	2220	573	1010	559
MAX	235	11	9.1	11	22	23	37	106	78	30	56	39
MIN	9.3	5.8	6.2	3.4	7.3	8.8	11	30	10	3.8	2.8	2.0
CAL YR	2006	TOTAL	6096.34	MEAN	16.7	MAX	235	MIN	0.21	AC-FT	12090	
WTR YR	2007	TOTAL	7322.1	MEAN	20.1	MAX	235	MIN	2	AC-FT	14520	

MAX DISCH: 373 CFS AT 16:45 ON Oct. 7, 2006 GH 5.73 FT. SHIFT 0.04 FT.
MAX GH: 5.73 FT. AT 16:45 ON Oct. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE
WY2007 HYDROGRAPH



SAN JUAN RIVER BASIN

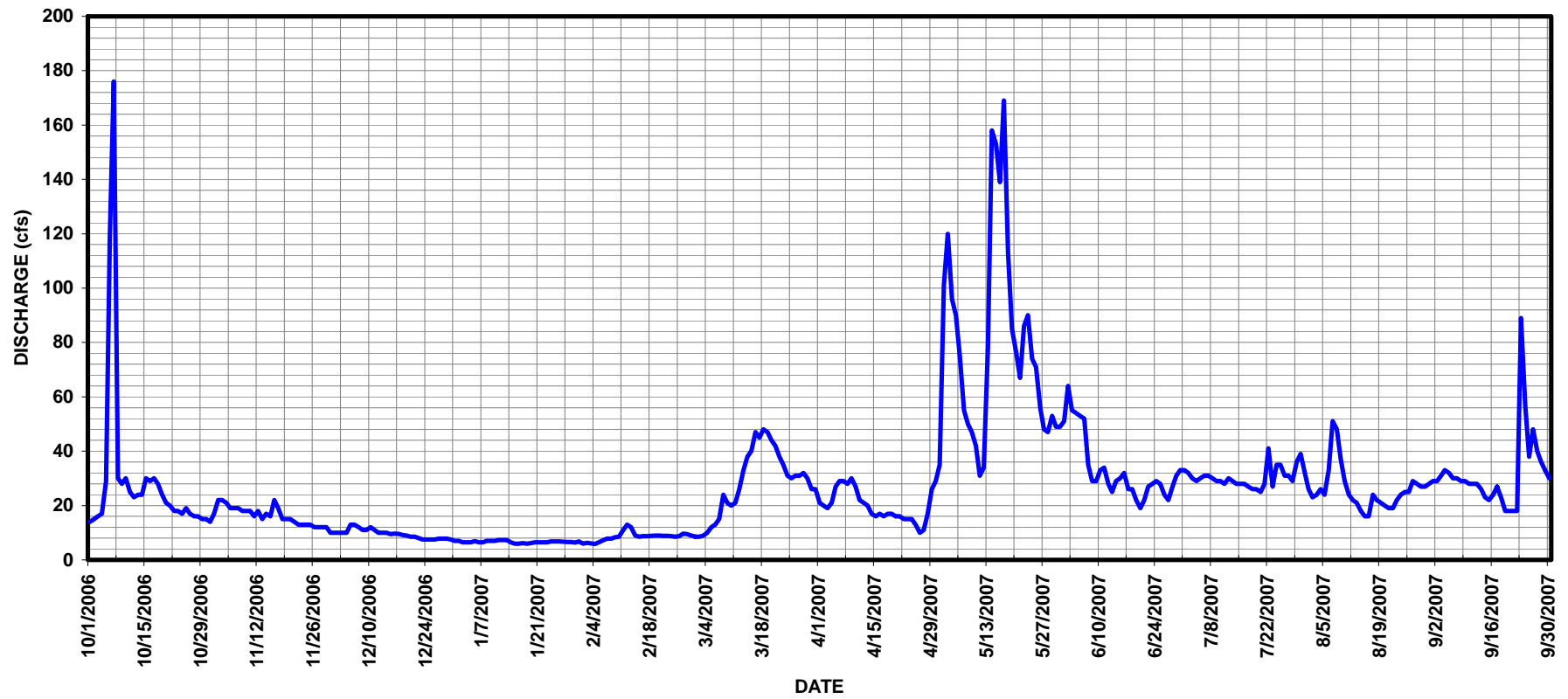
09370000 MANCOS RIVER NEAR MANCOS, CO

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.**DRAINAGE AREA.**--72.6 mi².**GAGE.**--Graphic water-stage recorder and a Sutron SatLink 2 HDR DCP and shaft encoder on separate floats in a 42" concrete well and 64"x64" cement block shelter. The primary reference gage is a steel drop tape referenced to an adjustable reference point on the instrument shelf. The DCP is the primary record. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.**REMARKS.**--Record is complete. Record is reliable, except for the following periods: stage-discharge relationship affected by ice: Nov. 29-30, 2006, Dec. 1-4, 11-15, 20-26, 30, 31, 2006, Jan. 1-4, 6-10, 13-23, 2007, Feb. 1, 15-18, 21-25, 2007, March 1-7, 2007. Record fair, except for those periods of ice affected record, which are poor. Station maintained by Brian Boughton and record developed by Jason Morrow.**RATING TABLE.**--MANMANCO09 USED FROM 01-OCT-2006 TO 30-SEP-2007DISCHARGE, IN CFS, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	10e	7.0e	6.0e	8.5e	21	35	51	33	26	29
2	15	22	10e	6.5e	6.3	8.5e	20	101	64	32	23	29
3	16	22	10e	6.5e	6.1	9.0e	19	120	55	30	24	31
4	17	21	10e	6.5e	5.9	10e	21	96	54	29	26	33
5	29	19	13	6.9	6.5	12e	27	90	53	30	24	32
6	119	19	13	6.5e	7.2	13e	29	75	52	31	33	30
7	176	19	12	6.5e	7.8	15e	29	55	35	31	51	30
8	30	18	11	7.0e	7.8	24	28	50	29	30	48	29
9	28	18	11	7.0e	8.3	21	30	47	29	29	37	29
10	30	18	12	7.0e	8.5	20	27	42	33	29	29	28
11	25	16	11e	7.3	11	21	22	31	34	28	24	28
12	23	18	10e	7.3	13	26	21	34	28	30	22	28
13	24	15	10e	7.3e	12	33	20	78	25	29	21	26
14	24	17	10e	6.5e	8.9	38	17	158	29	28	18	23
15	30	16	9.5e	6.0e	8.5e	40	16	153	30	28	16	22
16	29	22	9.7	6.0e	8.7e	47	17	139	32	28	16	24
17	30	19	9.6	6.2e	8.7e	45	16	169	26	27	24	27
18	28	15	9.2	6.0e	8.8e	48	17	113	26	26	22	23
19	24	15	8.9	6.2e	9.0	47	17	85	22	26	21	18
20	21	15	8.5e	6.5e	8.9	44	16	77	19	25	20	18
21	20	14	8.5e	6.5e	8.8e	42	16	67	22	28	19	18
22	18	13	8.0e	6.5e	8.8e	38	15	86	27	41	19	18
23	18	13	7.5e	6.5e	8.7e	35	15	90	28	27	22	89
24	17	13	7.5e	6.8	8.5e	31	15	74	29	35	24	57
25	19	13	7.5e	6.8	8.7e	30	13	71	28	35	25	38
26	17	12	7.5e	6.8	9.7	31	10	56	24	31	25	48
27	16	12	7.8	6.7	9.5	31	11	48	22	31	29	40
28	16	12	7.8	6.6	8.9	32	17	47	27	29	28	36
29	15	12e	7.8	6.6	---	30	26	53	31	36	27	33
30	15	10e	7.5e	6.4	---	26	29	49	33	39	27	30
31	14	---	7.0e	6.8	---	26	---	49	---	32	28	---
TOTAL	917	485	292.8	205.7	239.5	882.0	597	2438	997	943	798	944
MEAN	29.6	16.2	9.45	6.64	8.55	28.5	19.9	78.6	33.2	30.4	25.7	31.5
AC-FT	1820	962	581	408	475	1750	1180	4840	1980	1870	1580	1870
MAX	176	22	13	7.3	13	48	30	169	64	41	51	89
MIN	14	10	7.0	6.0	5.9	8.5	10	31	19	25	16	18
CAL YR	2006	TOTAL	6739.9	MEAN	18.5	MAX	176	MIN	3.0	AC-FT	13370	
WTR YR	2007	TOTAL	9739	MEAN	26.7	MAX	176	MIN	5.9	AC-FT	19320	

MAX DISCH: 624 CFS AT 22:15 ON Oct. 6, 2006 GH 4.94 FT. SHIFT 0.03 FT.
MAX GH: 4.94 FT. AT 22:15 ON Oct. 6, 2006FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09370000 MANCOS RIVER NEAR MANCOS CO
WY2007 HYDROGRAPH



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MICHIGAN RIVER NEAR WALDEN	433
MIDDLE BOULDER CREEK AT NEDERLAND	45
MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO	37
MUDDY CREEK ABOVE PAONIA RESERVOIR	383
MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE, CO	233
MUDDY CREEK BELOW PAONIA RESERVOIR	385

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NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO	453
NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO	457
NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE	223
NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR	259
NORTH CRESTONE CREEK NEAR CRESTONE	295
NORTH FORK BIG THOMPSON RIVER AT DRAKE	73
NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO	415
NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK, AT GRANT	15
NORTON DRAIN NEAR LA SAUSES	331

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OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES	71
OSO DIVERSION NEAR CHROMO, CO	455
OXFORD FARMERS DITCH NEAR NEPESTA, CO	197

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PINE RIDGE DITCH NEAR HESPERUS, CO	471
PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS	379
PINOS CREEK NEAR DEL NORTE	269
PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE	157
PIONEER DITCH AT HEADGATE NEAR LAIRD	155
PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE	479
POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL, UT	439
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE	221
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (COMBINED)	225
PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO	231
PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO	227
PURGATORIE RIVER AT TRINIDAD, CO	219

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RATON CREEK ABOVE STARKVILLE, CO	217
REDLANDS CANAL NEAR GRAND JUNCTION	393
RIO BLANCO AT MOUTH NEAR TRUJILLO	451
RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS	449
RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES	333
RIO GRANDE AT ALAMOSA	275
RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO	273
RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE	257
RIO GRANDE NEAR DEL NORTE	267
RIO GRANDE NEAR LOBATOS	363
RIO GRANDE NEAR MONTE VISTA	271
RIO GRANDE RIVER at WAGONWHEEL GAP, CO.	261
RITO ALTO CREEK near CRESTONE	289
ROARING FORK RIVER ABOVE FRYINGPAN NEAR BASALT	405
ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN	403
ROCKY FORK CREEK NEAR MEREDITH	421

RULE CREEK AT HWY 101 NEAR TOONERVILLE CO	235
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SAGUACHE CREEK NEAR SAGUACHE	293
SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA	353
SAN ANTONIO RIVER AT ORTIZ	349
SAN ISABEL CREEK near CRESTONE	291
SANGRE DE CRISTO CREEK NEAR FORT GARLAND	339
SKYLINE DITCH NEAR CHAMBERS LAKE	145
SNAKE RIVER AT KEYSTONE SKI AREA	401
SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK	51
SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS	53
SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS	55
SOUTH CANAL NEAR MONTROSE	389
SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES	329
SOUTH CRESTONE CREEK near CRESTONE	297
SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE, CO	411
SOUTH FORK RIO GRANDE AT SOUTH FORK	265
SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR	1
SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR, NEAR HARTS	5
SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR	3
SOUTH PLATTE RIVER AT BALZAC	105
SOUTH PLATTE RIVER AT DENVER	29
SOUTH PLATTE RIVER AT HENDERSON	35
SOUTH PLATTE RIVER AT JULESBURG	113
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1	109
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2	107
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 4	111
SOUTH PLATTE RIVER AT SOUTH PLATTE	17
SOUTH PLATTE RIVER AT WATERTON	21
SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR	23
SOUTH PLATTE RIVER BELOW CHEESMAN LAKE	13
SOUTH PLATTE RIVER BELOW ELEVENMILE RESERVOIR NEAR LAKE GEORGE	7
SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR	19
SOUTH PLATTE RIVER NEAR KERSEY	101
SOUTH PLATTE RIVER NEAR WELDONA	103
SOUTH ST. VRAIN CREEK NEAR WARD	39
SPANISH CREEK near CRESTONE	301
ST. VRAIN CREEK AT LYONS	43
ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE	59
ST. VRAIN SUPPLY CANAL NEAR LYONS	89
STATELINE DITCH RETURN NEAR JULESBURG CO	115
STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL	127

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TABOR DITCH AT SPRING CREEK PASS	367
TARBELL DITCH NEAR COCHETOPA PASS	365
TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON	9
TARRYALL CREEK BELOW TARRYALL RESERVOIR	11
TREASURE PASS DITCH AT WOLF CREEK PASS	369
TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR	337
TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND	335
TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA	343
TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES	251, 252

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UNCOMPAHGRE RIVER NEAR OLATHE	391
UTE CREEK NEAR FORT GARLAND	341

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VIDLER TUNNEL NEAR ARGENTINE PASS	131
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WALTON CREEK NEAR STEAMBOAT SPRINGS, CO	429
WEMINUCHE PASS DITCH AT WEMINUCHE PASS	381
WEST DIVIDE CREEK NEAR RAVEN	425
WIGHTMAN FORK AT MOUTH NEAR JASPER, CO	319
WIGHTMAN FORK BELOW CROPSY CREEK, NEAR SUMMITVILLE, CO	317
WILD CHERRY CREEK near CRESTONE	287

WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS	377
WILLIAMS FORK AT MOUTH NEAR HAMILTON, CO	437
WILLOW CREEK near CRESTONE	299
WILSON SUPPLY DITCH NEAR EATON RESERVOIR	153
WIND RIVER BY-PASS NEAR ESTES PARK, CO.	63
WIND RIVER NEAR ESTES PARK	61
WURTZ DITCH EXTENSION NEAR LEADVILLE	243
WURTZ DITCH NEAR TENNESSEE PASS	241

Y

YAMPA RIVER ABOVE LAKE CATAMOUNT	427
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Station Identification Codes

DIV I

CODE	NAME
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
ADANETCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL (NET), NEAR ESTES PARK
BCRMORCO	BEAR CREEK AT MORRISON
BCRSHECO	BEAR CREEK AT SHERIDAN
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS
BFCLYOCO	BOULDER CREEK FEEDER CANAL NEAR LYONS
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE
BOBGLNCO	BOB CREEK DITCH NEAR GLENDEVEY
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND
BOCOBOCO	BOULDER CREEK AT BOULDER
BOCOROCO	BOULDER CREEK NEAR ORODELL
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS
BOSDELCO	SOUTH BOULDER CREEK, DIVERSION NR ELDORADO SPRINGS
BTABESCO	BIG THOMPSON RIVER ABOVE LAKE ESTES
BTBLES	BIG THOMPSON RIVER BELOW LAKE ESTES
BTANYCO	BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE
BTTPMCCO	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON
BUCKRMVCO	BUCKHORN CREEK NEAR MASONVILLE
BTNFDRCO	NORTH FORK BIG THOMPSON RIVER AT DRAKE
CAPDCPCO	CAMERON PASS DITCH NEAR CAMERON PASS
CLAFTCCO	CACHE LA POUDRE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUDRE NEAR GREELEY
CLEDERCO	CLEAR CREEK AT DERBY
COCREPCO	COAL CREEK NEAR PLAINVIEW
DEADDP	DEADMAN DITCH NEAR DEADMAN PARK
DILTUNCO	DILLE TUNNEL NEAR DRAKE
FALIDACO	FALL RIVER AT MOUTH NEAR IDAHO SPRINGS
FISHESCO	FISH CREEK NEAR ESTES PARK
GRNDRDCO	GRAND RIVER DITCH AT LA POUDRE PASS
HFCBBS	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON
HFCWASCO	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON
HOMSPICO	AURORA HOMESTAKE PIPELINE
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA
LAPTUNCO	LARAMIE POUDRE TUNNEL
LEFTHDCO	LEFTHAND DIVERSION S. ST. VRAIN CREEK NEAR WARD
LTCANYCO	LITTLE THOMPSON RIVER AT CANYON MOUTH, NEAR BERTHOUD
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS
MIDSTECO	MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY
OLYTUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
ONEJURCO	SOUTH PLATTE RIVER AT JULESBURG CHANNEL #1
PIOHDGCO	PIONEER DITCH AT HEADGATE
PIOSTLCO	PIONEER DITCH AT CO/NE STATE LINE
PLAANTCO	SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR
PLABALCO	SOUTH PLATTE RIVER AT COOPER BRIDGE, NEAR BALZAC
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SOUTH PLATTE RIVER BL. CHEESMAN RESERVOIR
PLADENCO	SOUTH PLATTE RIVER AT DENVER
PLAGEOCO	SOUTH PLATTE RIVER NEAR LAKE GEORGE
PLAGRACO	NORTH FORK SOUTH PLATTE RIVER AT GRANT
PLAHARCO	SOUTH PLATTE RIVER ABOVE ELEVENMILE RESERVOIR
PLAHENCO	SOUTH PLATTE RIVER AT HENDERSON
PLAJUCCO	SOUTH PLATTE RIVER AT JULESBURG COMBINED
PLAJULCO	SOUTH PLATTE RIVER AT JULESBURG LEFT CHAN. #4
PLAJURCO	SOUTH PLATTE RIVER AT JULESBURG RIGHT CHAN. #2
PLAKERCO	SOUTH PLATTE RIVER NEAR KERSEY
PLASPICO	SOUTH PLATTE RIVER ABOVE SPINNEY RESERVOIR
PLASPLCO	SOUTH PLATTE RIVER AT SOUTH PLATTE
PLASTR	SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS
PLAWATCO	SOUTH PLATTE RIVER AT WATERTON
PLAWELCO	SOUTH PLATTE RIVER NEAR WELDONA
ROBTUNCO	ROBERTS TUNNEL AT EAST PORTAL NEAR GRANT
SKYDCLCO	SKYLINE DITCH AT CHAMBERS LAKE
SSVWARCO	SOUTH ST. VRAIN NEAR WARD
STCTUNCO	STRAIGHT CREEK TUNNEL AT EISENHOWER TUNNEL
STLINECO	STATELINE DITCH RETURN NEAR JULESBURG
SVCLYOCO	SAINT VRAIN CREEK AT LYONS
SVCPLACO	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE
SVSLYOCO	ST. VRAIN SUPPLY CANAL NEAR LYONS
TARBORCO	TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON
TARTARCO	TARRYALL CREEK BELOW TARRYALL RESERVOIR

VIDTUNCO	VIDLER TUNNEL NEAR ARGENTINE PASS
WINDESCO	WIND RIVER NEAR ESTES PARK
WINBYPCO	WIND RIVER BY-PASS NEAR ESTES PARK
WSDEARCO	WILSON SUPPLY DITCH NEAR EATON RESERVOIR

DIV II

CODE	NAME
ARXCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARXCANCO	ARKANSAS RIVER AT CANYON CITY
ARXCARCO	ARKANSAS RIVER BELOW X-Y DITCH DAM NEAR CARLTON
ARXCATCO	ARKANSAS RIVER BELOW CATLIN DAM NEAR FOWLER
ARXGRNCO	ARKANSAS RIVER AT GRANITE
ARXLAJCO	ARKANSAS RIVER AT LA JUNTA
ARXNEPCO	ARKANSAS RIVER NEAR NEPESTA
ARXNECCO	ARKANSAS RIVER AT NEPESTA ROAD BRIDGE COMBINED
ARXPORCO	ARKANSAS RIVER AT PORTLAND
ARXPUECO	ARKANSAS RIVER ABOVE PUEBLO
ARXROCCO	ARKANSAS RIVER AT ROCKY FORD
ARXSALCO	ARKANSAS RIVER AT SALIDA
ARXWELCO	ARKANSAS RIVER NEAR WELLSVILLE
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL
BUSTUNCO	BUSK-IVANHOE TUNNEL
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER
CANSWKCO	CROOKED ARROYO NEAR SWINK
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR
CCBCCRCO	CLEAR CREEK BELOW CLEAR CREEK RESERVOIR
CHCRNACO	CHALK CREEK AT NATHROP
COLDITCO	COLUMBINE DITCH
COCRBVCO	COTTONWOOD CREEK NEAR BUENA VISTA
CBRLVCO	CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA
CRHBLVCO	CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA
EWIDITCO	EWING DITCH
GRAWESCO	GRAPE CREEK NEAR WESTCLIFFE
HILCANCO	HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS
HOMTUNCO	HOMESTAKE TUNNEL
HRC194CO	HORSE CREEK AT HIGHWAY 194
HUREDCCO	HUERFANO RIVER NEAR REDWING
LAKATLCO	LAKE CREEK ABOVE TWIN LAKES RESERVOIR
LAKBTLCO	LAKE CREEK BELOW TWIN LAKES RESERVOIR
LARDITCO	LARKSPUR DITCH AT MARSHALL PASS
LFCBSLCO	LAKE FORK CREEK BELOW SUGAR LOAF DAM NR. LEADVILLE
MUDTOOCO	MUDDY CREEK NEAR TOONERVILLE
NMCHIGCO	NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE
OXFDITCO	OXFORD FARMERS DITCH NEAR NEPESTA
PURHILCO	PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS
PURHICCO	PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS (COMBINED)
PURNICCO	PURGATOIRE R AT NINEMILE DAM, NR HIGBEE COMBINED
PURNINCO	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE
PURTRICO	PURGATOIRE RIVER AT TRINIDAD
RACRSTCO	RATON CREEK ABOVE STARKVILLE
RULTOOCO	RULE CREEK NEAR TOONERVILLE
TWITUNCO	TWIN LAKES TUNNEL
WURDITCO	WURTZ DITCH NEAR TENNESSEE PASS
WUREXTCO	WURTZ EXTENSION DITCH NEAR TENNESSEE PASS

DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR
ALARANCO	ALAMOSA RIVER BELOW RANGER CREEK
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR
ALAWIGCO	ALAMOSA RIVER ABOVE WIGHTMAN FORK NEAR JASPER
BIGSPGCO	BIG SPRING CREEK AT MEDANO RANCH NEAR MOSCA
CARLAGCO	CARNERO CREEK NEAR LA GARITA
CBPALACO	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA
CHECRECO	CHERRY CREEK NEAR CRESTONE
COCRMICO	COTTON CREEK NEAR MINERAL HOT SPRINGS
COCRESO	COTTONWOOD CREEK NEAR CRESTONE
CONLASCO	COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
CONMOGCO	CONEJOS RIVER NEAR MOGOTE
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR
CULSANCO	CULEBRA CREEK AT SAN LUIS
DEDCRECO	DEADMAN CREEK NEAR CRESTONE

DLFDT0CO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS
GARVILCO	GARNER CREEK NEAR VILLA GROVE
GOOWAGCO	GOOSE CREEK AT WAGONWHEEL GAP
KERVILCO	KERBER CREEK NEAR VILLA GROVE
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN
LITSPGCO	LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA
LOSORTCO	LOS PINOS RIVER NEAR ORTIZ
MAJVILCO	MAJOR CREEK NEAR VILLA GROVE
NCLCONCO	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR
NOCRESO	CRESTONE CREEK, NORTH NEAR CRESTONE
NORDLSCO	NORTON DRAIN NEAR LA SAUSES
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES
NORLASCO	NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES
PINDELCO	PINOS CREEK NEAR DEL NORTE
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS
RIOALACO	RIO GRANDE RIVER AT ALAMOSA
RIODELCO	RIO GRANDE NEAR DEL NORTE
RIOLINCO	RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE
RIOLOBCO	RIO GRANDE NEAR LOBATOS
RIOMILCO	RIO GRANDE AT THIRTY MILE BRIDGE
RIOMONCO	RIO GRANDE AT MONTE VISTA
RIOWAGCO	RIO GRANDE RIVER AT WAGONWHEEL GAP
RIOSFKCO	SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK
RITCRECO	RITO ALTO CREEK NEAR CRESTONE
RIOTRICO	RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK
SAGSAGCO	SAGUACHE CREEK NEAR SAGUACHE
SANCRECO	SAN ISABEL CREEK NEAR CRESTONE
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND
SANMANCO	SAN ANTONIO RIVER NEAR MANASSA
SANORTCO	SAN ANTONIO RIVER AT ORTIZ
SOUCRECO	SOUTH CRESTONE CREEK NEAR CRESTONE
SOULASCO	SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES
SPACRECO	SPANISH CREEK NEAR CRESTONE
TABDITCO	TABOR DITCH AT SPRING CREEK PASS
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR
TRITURCO	TRINCHERA CREEK AB. TURNER'S RANCH
UTEFTGCO	UTE CREEK NEAR FORT GARLAND
WCSDITCO	WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS
WFKMOUCO	WIGHTMAN FORK AT MOUTH AT ALAMOSA RIVER
WILCRECO	WILLOW CREEK NEAR CRESTONE

DIV IV

CODE	NAME
ABCLATCO	ABC LATERAL
GUNREDCO	GUNNISON RIVER BELOW REDLANDS DIVERSION DAM
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR
MUDBPRCO	MUDDY CREEK BELOW PAONIA RESERVOIR
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION
SOUCANCO	SOUTH CANAL NR MONTROSE
UNCOLACO	UNCOMPAHGRE RIVER NEAR OLATHE

DIV V

CODE	NAME
BLUNINCO	BLUE RIVER AT HIGHWAY 9 BRIDGE
CHAGULCO	CHAPMAN GULCH NEAR NAST
CRYDOWCO	CRYSTAL RIVER AT DOW FISH HATCHERY NEAR CARBONDALE
FRYIVLCO	FRYINGPAN RIVER NEAR IVANHOE LAKE
FRYMERCO	FRYINGPAN RIVER AT MEREDITH
FRYNFNCO	NORTH FORK FRYINGPAN RIVER NEAR NORRIE
FRYSFUO	SOUTH FORK FRYINGPAN RIVER AT UPPER STATION
FRYTHOCO	FRYINGPAN RIVER NEAR THOMASVILLE
IVCRNACO	IVANHOE CREEK NEAR NAST
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN
ROAFRYCO	ROARING FORK RIVER ABOVE MOUTH OF FRYINGPAN RIVER NEAR BASALT
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH

SNAKEYCO	SNAKE RIVER AT KEYSTONE
WSDRAVCO	WEST DIVIDE CREEK NEAR RAVEN

DIV VI

CODE	NAME
ILLRANCO	ILLINOIS RIVER NEAR RAND
MICMERCO	MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR
MICWLDCO	MICHIGAN RIVER NEAR WALDEN
PTCKSLCO	POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL
WLTNCKCO	WALTON CREEK NEAR STEAMBOAT SPRINGS
WMFKHMC	WILLIAMS FORK AT MOUTH NEAR HAMILTON
YAMABVCO	YAMPA RIVER ABOVE LAKE CATAMOUNT

DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE
BLADIVCO	BLANCO DIVERSION NEAR PAGOSA SPRINGS
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA
DOLBMCCO	DOLORES RIVER BELOW MCPHEE RESERVOIR
DOLTUNCO	DOLORES TUNNEL OUTLET NEAR DOLORES
ENTDITCO	ENTERPRISE DITCH AT THE COLO-NEW MEXICO STATELINE
FLOALECO	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO
FLOBLECO	FLORIDA RIVER BELOW LEMON RESERVOIR
LAPHESCO	LA PLATA RIVER AT HESPERUS
LAPMEXCO	LA PLATA RIVER AT THE COLORADO/NEW MEXICO LINE
LITOSOCO	LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO
LONREDCO	LONG HOLLOW AT THE MOUTH NEAR RED MESA
LOSODVCO	LITTLE OSO DIVERSION NEAR CHROMO
LPCDITCO	LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS
MANMANCO	MANCOS RIVER NEAR MANCOS
MVIDIVCO	LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES
NAVBANCO	NAVAJO RIVER AT BANDED PEAKS RANCH NEAR CHROMO
NAVOSOCO	NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO
OSODIVDO	OSO DIVERSION NEAR CHROMO
PINDITCO	PINE RIDGE DITCH NEAR HESPERUS
PIODITCO	PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
RIOBLACO	RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA
RIOMOUCO	RIO BLANCO AT THE MOUTH NEAR TRUJILLO